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PETROGENESIS OF THE LINKED RIVER MOUNTAINS VOLCANIC SECTION AND WILSON RIDGE PLUTON

by

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Doctor of Philosophy in Geoscience

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August 2012

THE GRADUATE COLLEGE

We recommend the dissertation prepared under our supervision by

Denise Honn

entitled

Petrogenesis of the Linked River Mountains Volcanic Section and Wilson Ridge Pluton

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ABSTRACT

Petrogenesis of the linked River Mountains volcanic section and Wilson Ridge pluton

by

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Eugene I. Smith, Examination Committee Chair

Professor of Geology

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This dissertation describes the petrogenesis of the River Mountains volcanic suite and Wilson Ridge pluton (RM-WRP) and provides new geochronologic and geochemical evidence that links the two suites, identifies equivalent volcanic and plutonic units and describes the conditions under which igneous systems form intrusive and extrusive rock units, and finally produces a four-stage model for the emplacement of the entire system. This research presents new data supporting the linked RM-WRP including overlapping $^{206}Pb/^{238}U$ zircon ages, nearly identical trace element and $^{87}Sr/^{86}Sr$ and $^{143}Nd/^{144}Nd$ isotopic signatures. Equivalent volcanic and plutonic units were identified by their overlapping $^{206}Pb/^{238}U$ ages and similar U/Th ratios. Using these criteria, high silica Wilson Ridge quartz monzonites are genetically equivalent to rhyolite domes in the River Mountains and voluminous dacites and a quartz monzonite stock in the River Mountains are equivalent to the quartz monzonite of the main phase of the pluton. The nearby Boulder City pluton and Black Canyon assemblage could not be distinguished from the RM-WRP using geochronology or geochemistry. However, new $^{206}Pb/^{238}U$ ages show that the Railroad Pass pluton is slightly older than the RM-WRP and the Hamblin-Cleopatra volcano is more primitive according to $^{87}Sr/^{86}Sr$ and $^{143}Nd/^{144}Nd$. This new data are also used to identify three factors that may determine which igneous systems produce both volcanic and plutonic suites. These factors are; 1) rate of injection, 2) rate of extension, and 3) the presence of a boundary layer or density contrast.

The linked River Mountains –Wilson Ridge system has attributes consistent with emplacement of a large active magma by incremental dike fed injections. Magma comingling textures (i.e. stoped blocks, mafic enclaves, phenocrysts with embayments and resorbed cores) and geochemical models, suggest that mixing produced large volumes of intermediate magmas and are consistent with a large convective magma body. In contrast, bimodal hypabyssal sills, flows, and dikes, as well as recrystallized feldspars are consistent with incremental emplacement of the system. This research presents a new model for the emplacement of shallow igneous systems based on new field, petrologic, geochemical, and geochronologic observations from the RM-WRP. This four stage model includes; incremental emplacement of early bimodal magmas, accumulation and comingling of bimodal injections, thorough mixing and inflation of an accumulated intermediate magmas, subsolidus modification and hydrothermal alteration.

ACKNOWLEDGEMENTS

My father instilled in me the curiosity to begin, the pride required to persevere, and the stubbornness to finish the seemingly Sisyphean task of writing this dissertation. It is to him I owe the most.

As my advisor through both my master's and doctorate degree programs, Gene Smith has helped me become an independent scientist. Adam Simon has gone above and beyond in becoming a second advisor to me through this process. I would also like to thank my dissertation committee members, Terry Spell, Pamela Burnley, and Stephen Lepp for their encouragement as well as skepticism of my ideas and interpretations during the editing process. Without them I would not have been able to create the body of work that I am now proud of. Although not on my dissertation committee, Rod Metcalf was essential to the completion of this research. He not only provided me with a substantial compiled regional data, but also influenced my assessment of the River Mountains volcanic suite and Wilson Ridge pluton as a single distinct igneous system. Frank Ramos not only taught me mass spectrometry and clean lab techniques, but also sparked my interest in the application of radiogenic isotopes. Frank took me under his wing as a student, a scientist, and a friend. Sean Mulcahy was fundamental in both collecting and interpreting EPMA of feldspars. I felt I could always ask him for technical help, not just with EPMA, but all aspects of geochemistry. With Axel Schmitt's help, I successfully dated the RM-WRP using SIMS to analyze zircon U and Pb isotopes.

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CHAPTER ONE

DISSERTATION OVERVIEW

Petrogenetic studies of igneous systems are limited by exposure and preservation resulting in research that only focus on a single component of any given system, either volcanic or plutonic. With the exception of xenoliths, studies of volcanic systems rarely include analysis of the plutonic systems hidden beneath them. Similarly, studies of well-exposed plutonic segments intrinsically cannot include the now eroded volcanic rocks above them. What do the volcanic and plutonic segments, studied together, tell us about the petrogenesis of the entire system? What is the best way to link segmented volcanic and plutonic equivalents and identify cogenetic volcanic and plutonic units? This dissertation addresses these questions by examining the Miocene River Mountains volcanic suite and Wilson Ridge pluton system (RM-WRP) of the northern Colorado River Extensional Corridor (NCREC).

Structure of this Dissertation

The dissertation includes two chapters intended for publication. Work reported in these chapters is based on new data that examine the relationship between the River Mountains volcanic suite and Wilson Ridge pluton. These data include new observations of field relationships, ^{206}Pb / ^{238}U zircon ages, whole rock major and trace element geochemistry, petrographic descriptions, in situ plagioclase geochemistry, and $^{87}Sr/^{86}Sr$ and $^{143}Nd/^{144}Nd$ isotope geochemistry. Compiled data from previous work, which supplements the new major, trace, and isotope geochemistry, are also described. The full data sets are in the following appendices: A) sample locations, IUGS classifications, petrographic descriptions, major and trace element geochemistry and Harker variation diagrams, B) $^{206}Pb/^{238}U$ zircon ages, C) $^{87}Sr/^{86}Sr$ and $^{143}Nd/^{144}Nd$ data D) volcanic-plutonic correlations based on U/Th, Sm/Nd and $^{206}Pb/^{238}U$ zircon age, and E) electron probe analyses of plagioclase grains.

Chapter Two addresses the question of whether volcanic rocks represent the extrusive equivalents of plutonic rocks by using an integrated approach including new data that support the link between the River Mountains volcanic suite and Wilson Ridge pluton. Chapter Two also includes an introduction to the field areas and description of previous studies that suggest a genetic link between the River Mountains and Wilson Ridge pluton. Much of this introduction is based on an article published in the Geological Society of America in Field Guide 11 (Honn and Smith, 2008). New evidence supporting the link includes similar $^{206}Pb/^{238}U$ geochronology, lithology, and major, trace, and isotope geochemistry. Because of strong regional similarities and metasomatism, these data must be used in combination in order to rule out nearby systems and identify cogenetic volcanic and plutonic phases within the RM-WRP. Similar SiO_2/TiO_2, U/Th, Sm/Nd, and overlapping $^{206}Pb/^{238}U$ ages were the criteria used for correlating volcanic and plutonic phases (Appendix D).

Chapter Three presents a new four-stage model for the emplacement of igneous systems, including both volcanic and plutonic suites. This model involves both of the current paradigms for emplacing plutons, diapiric ascent

(Pitcher, 1979) and incremental emplacement (Petford et al., 1979; Bartley et al., 2007). Stage 1 represents the initiation of magmatism through bimodal (basalt and rhyolite) dike injections creating a thick stack of hypabyssal sills and dikes as well as diorite to monzodiorite intrusions in the upper crust. Stage 1 sills create a cap under which continued magma injections comingle. The amalgamation of these compositionally diverse magmas along with the initiation of volcanism mark stage 2. Magma mixing to create quartz monzonite of the main phase of the pluton and the voluminous dacite flows represents stage 3. The return to bimodal magmatism in the form of late stage dikes that cut the main phase of the pluton and feed rhyolite domes and basalt flows represents the final magmatsim in the RM-WRP and the end of stage 3. Stage 4 consists of subsolidus modifications by recrystallization and metasomatism.

CHAPTER TWO

LINKING VOLCANIC AND PLUTONIC SUITES: THE RIVER MOUNTAINS – WILSON RIDGE EXAMPLE

Abstract

The River Mountains (RM) volcanic suite and Wilson Ridge pluton (WRP), in the northern Colorado River extensional corridor of southern Nevada and northwestern Arizona, provide an ideal opportunity to investigate one of the most fundamental questions in igneous petrology: Do volcanic rocks erupt from subjacent plutons and do plutons vent to form volcanic fields? The RM volcanic suite (14.47± 0.26 to 12.66 ± 0.54 Ma; uncertainties are 2σ) consists of a stack of andesite and rhyolite sills beneath a stratovolcano that primarily erupted dacite with lesser volumes of basalt and rhyolite. This volcanic suite is cored by a multiphase quartz monzonite stock. The WRP (15.18 ± 0.31 to 12.66 ± 0.54 Ma) consists of an early hypabyssal suite, monzodiorite and diorite intrusions, main phase quartz monzonite of the Teakettle Pass suite, and bimodal late stage dikes. Previous mapping linked the now faulted and detached (by 20 km) volcanic and plutonic suites. The current study establishes a more explicit link between the RM volcanic suite and WRP by using new $^{206}Pb/^{238}U$ zircon ages and a more complete geochemical data set. The major conclusions of this new work are that: 1) the WRP and the RM represent a single cogenetic igneous system and; 2) that multiple types of data (lithologic, geochronologic, and geochemical) must be used to identify cogenetic volcanic and plutonic suites. An important implication of this work is that other volcanic fields and plutons closely

related in age and chemistry may represent single systems with shared magmatic histories.

Introduction

The study of any igneous system is limited by the level at which it is exposed and preserved. In most cases, only a portion of the system is exposed (i.e., volcanic or plutonic) and, therefore, only part of the magmatic history can be studied. This limitation has created a disconnect between our understanding of how volcanic and plutonic rock suites form, leading to one of the most fundamental and enduring questions in igneous petrology: are volcanic and plutonic rocks cogenetic and produced by similar processes (Marsh, 1981; Marsh, 1988; Marsh, 1990; and Bachmann et al., 2007). Crustal extension and deep erosion in the northern Colorado River extensional corridor (NCREC) provide excellent exposure of several volcanic-plutonic systems in the Newberry-Oatman (Lang et al., 2008) and Lake Mead areas (Weber and Smith, 1987). These systems represent upper-crustal melts produced during the mid-Miocene between 16 and 11 Ma (Faulds et al., 1995; Howard et al., 1996; Gans and Bohrson, 1998; Metcalf, 2004).

Based on work done over the past 20 years, the River Mountains volcanic suite (RM) and Wilson Ridge pluton (WRP) of the Lake Mead area are interpreted as volcanic and plutonic segments of the same igneous system (RM-WRP) (Figure 1). Smith (1982) first suggested the link between the RM on the west side of Lake Mead and the WRP 20 km to the east. According to Smith

(1982), the volcanic section was separated from its plutonic roots by the Lake Mead Fault System, including the Saddle Island detachment, Hamblin Bay, and Eldorado faults (Weber and Smith, 1987; Duebendorfer et al., 1990). The current study establishes a more explicit link between the RM and WRP by using new $^{206}Pb/^{238}U$ zircon ages and a more complete geochemical data set. The major conclusions of this new work are: 1) the WRP and the RM represent a single cogenetic igneous system and; 2) multiple types of data (lithologic, geochronologic, and geochemical) must be used to identify cogenetic volcanic and plutonic suites. An important implication of this work is that other volcanic fields and plutons closely related in age and chemistry may represent single systems with shared magmatic histories.

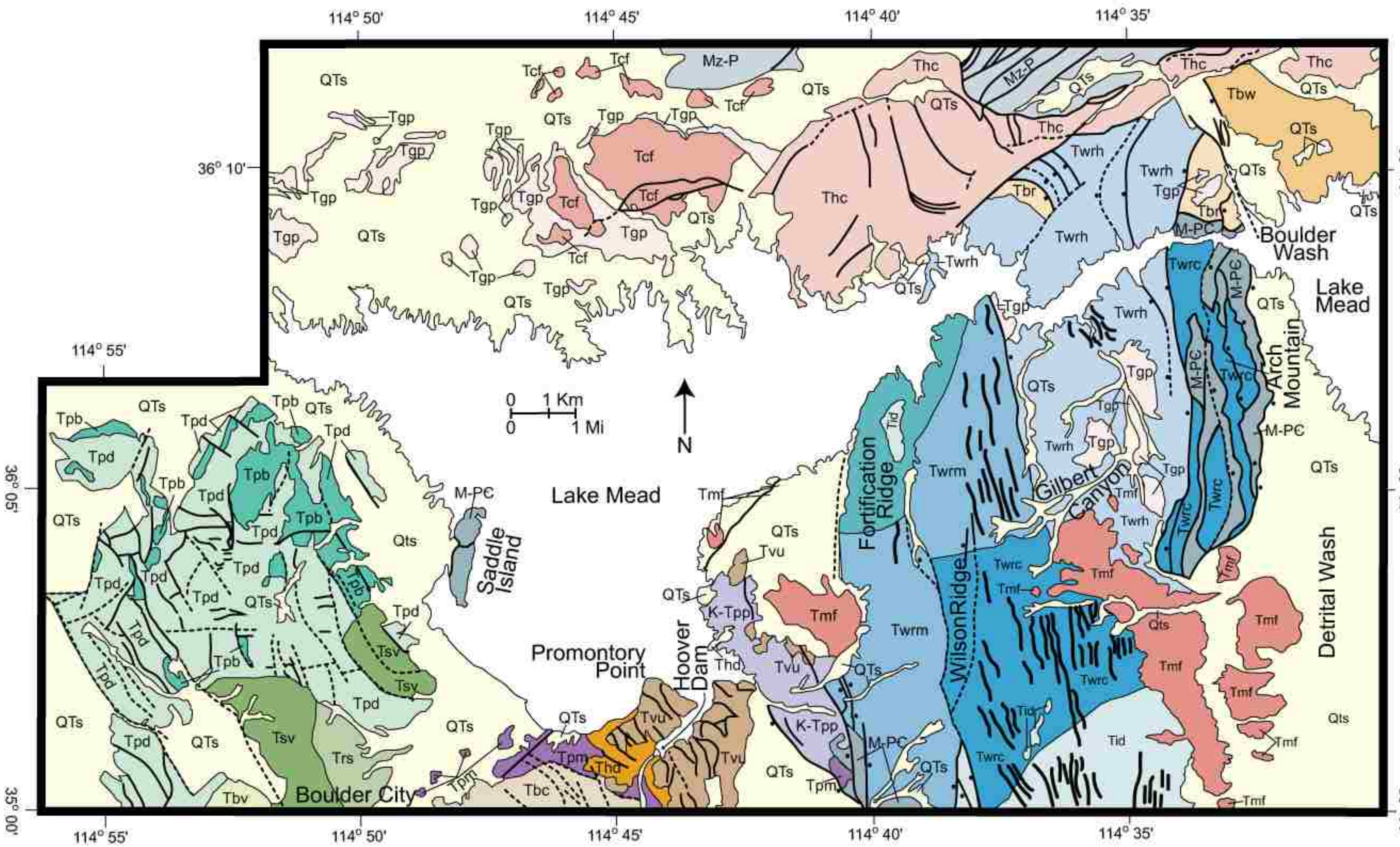


Figure 1. Geologic map of the Lake Mead region. Adapted from Smith et al. (1990).

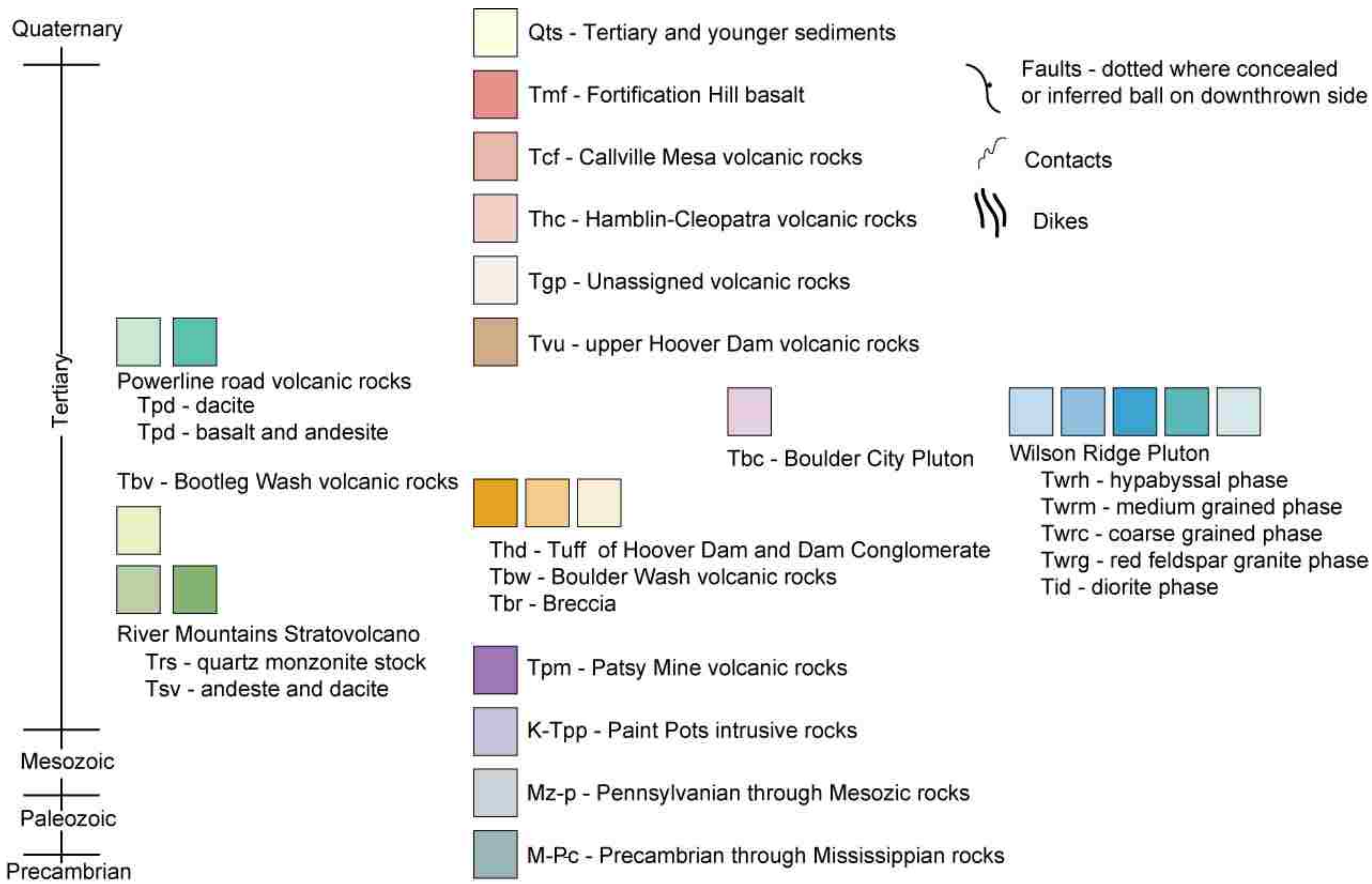


Figure 1 continued. Geologic map of the Lake Mead region. Adapted from Smith et al. (1990).

Regional Geology

The RM-WRP is exposed at the northern edge of the northern CREC, a north-south trending area of southern Nevada, western Arizona and eastern California that underwent up to 100% extension between ~23 and 12 Ma (Faulds et al., 2001). In the northern most part of the corridor, volcanic rocks of Tertiary age overlie Precambrian crystalline rocks (1.5 to 1.8 Ga; Volbroth, 1973; Condie, 1982) and locally a thin conglomerate containing sedimentary and crystalline clasts. Paleozoic and Mesozoic sedimentary sections are missing and may have been eroded and transported from a developing Laramide uplift, the Kingman Arch, during the late-Cretaceous to early-Tertiary (Faulds et al., 2001). The Kingman Arch plunges gently to the north (~15 degrees) and terminates against the Lake Mead fault system. In the northern CREC, magmatism migrated to the north, pre-dating crustal extension by about 1 Ma (Faulds et al., 2001).

Previous Evidence for the RM-WRP Link

Lithology of the River Mountains Volcanic Suite

The RM (11.8 ± 0.5 to 14.0 ± 0.3 Ma, K/Ar age, Anderson et al., 1972 and fission track age Koski et al., 1991; Table 1) composed of mainly dacite, with lesser amounts of andesite, basalt and rhyolite, was locally intruded by hapabyssal dacite plugs and a quartz monzonite stock. Smith (1982, 1984) suggested that the RM are composed of at least four volcanic sections that were juxtaposed by mid-Tertiary strike-slip faulting related to the left-lateral Lake Mead fault system. These four volcanic sections (Figure 2), as mapped by Smith (1982 and 1984), include:

1. The Powerline Road section, which crops out in the northern RM, primarily consists of dacite domes and flows, dacite intrusions, pyroclastic surge deposits and basalt and andesite flows. Powerline Road dacite comprises 70% of the RM.
2. Just to the south of the Powerline Road Section, the RM stratovolcano produced a stack of andesite and dacite flows (Smith, 1984). A re-evaluation of this section during the current study found that several of the lower flows lack flow-top brecciation, and were chilled against the rocks above them; therefore, these lower flows are re-interpreted as hypabyssal sills. The stratovolcano and associated hypabyssal sills are cored by the RM quartz monzonite stock, which is surrounded by a zone of altered volcanic rocks cut by numerous dikes. The stock contains xenoliths of basalt and dolomite up to four meters in diameter. Dikes of porphyritic dacite radiate from the plug and intrude the hypabyssal suite.
3. From base to top, the Bootleg Wash section just north of Boulder City Nevada is composed of andesite flows, volcaniclastic breccia, and flow-banded dacite flows.
4. The Red Mountain section includes altered andesite and dacite flows, volcaniclastic rocks, and local granitic intrusions in the southernmost RM. On Red Mountain, andesite flows and breccia are interleaved along numerous low-angle faults. The Red Mountain section is separated from

the RM stratovolcano section by a prominent northwest-striking strike-slip fault). Due to the high degree of alteration, the Red Mountain section was not used in correlations with the plutonic suite.

A more complete description of the River Mountains including petrographic descriptions of major rocks types is in Appendix A.

Table 1: Compiled ages for the River Mountains and Wilson Ridge Pluton

System	age	uncertainty	method	material	reference
RM - volcanic	11.8	0.5	K-Ar	whole rock	Anderson et al., 1972
RM - volcanic	12.1	0.5	K-Ar	whole rock	Anderson et al., 1972
RM - volcanic	12.17	0.02	$^{40}Ar/^{39}Ar$	whole rock	Faulds et al., 1999
RM - volcanic	12.4	0.5	fission track	sphene	Koski et al., 1991
RM - volcanic	12.5	0.5	K-Ar	biotite	Anderson et al., 1972
WR – plutonic	12.57	0.03	$^{40}Ar/^{39}Ar$	whole rock	Faulds et al., 1999
WR – plutonic	12.62	0.03	$^{40}Ar/^{39}Ar$	biotite	Anderson et al., 1994
WR – plutonic	12.65	0.04	$^{40}Ar/^{39}Ar$	biotite	Anderson et al., 1994
RM – stock	12.8	0.5	K-Ar	biotite	Armstrong, 1970
RM – volcanic	13.00	0.02	$^{40}Ar/^{39}Ar$	biotite	Faulds et al., 1999
WR – plutonic	13.1	0.11	$^{40}Ar/^{39}Ar$	hornblende	Faulds and Gans, unpublished, in Metcalf et al., 1993
RM – stock	13.1	0.5	K-Ar	biotite	Anderson et al., 1972
WR – plutonic	13.2	0.04	$^{40}Ar/^{39}Ar$	biotite	Faulds et al., 1999
RM - volcanic	13.2	0.03	K-Ar	biotite	Anderson et al., 1972
RM - volcanic	13.2	0.04	K-Ar	biotite	Anderson et al,. 1972
RM – stock	13.23	0.01	$^{40}Ar/^{39}Ar$	biotite	Faulds et al., 1999
WR - Horsethief Canyon	13.3	0.4	K-Ar	biotite	Larsen and Smith, 1990
RM – stock	13.4	0.5	K-Ar	biotite	Armstrong et al., 1970
WR – Teakettle Pass suite	13.5	0.4	K-Ar	biotite	Larsen and Smith, 1990
WR – plutonic	13.6	0.6	K-Ar	biotite	Anderson et al., 1990
RM – volcanic	14.0	0.3	fission track	sphene	Koski et al., 1991

System abbreviations: (RM) River Mountains (WR) Wilson Ridge pluton

Table 2: Compiled ages for Tertiary Igneous Systems of the Lake Mead area

System	age	uncertainty	method	material	reference
F – volcanic	5.88	n/a	n/a	n/a	Feuerbach et al., 1991,
CM – volcanic	10.46	n/a	n/a	n/a	Feuerbach et al., 1991
H - volcanic	11.3	0.03	K-Ar	whole rock	Anderson et al., 1972
H – volcanic	11.71	0.03	$^{40}Ar/^{39}Ar$	whole rock	Anderson, 1994
C – volcanics	13.1	0.8	K-Ar	amphibole	Thompson, 1985
BCA - Sugarloaf dacite	13.11	0.02	$^{40}Ar/^{39}Ar$	biotite	Gans and Faulds, unpublished
BCA - Sugarloaf dacite	13.11	0.02	$^{40}Ar/^{39}Ar$	biotite	Faulds et al., 1999
BC – plutonic	13.8	n/a	K-Ar	n/a	Anderson et al., 1972
BCA - tuff of Hoover Dam	13.88	0.1	$^{40}Ar/^{39}Ar$	biotite	Faulds et al., 1999
BC – plutonic	14.14	0.6	K-Ar	biotite	Anderson et al., 1972
P – volcanic	14.19	0.03	$^{40}Ar/^{39}Ar$	whole rock	Faulds et al., 1999
C – volcanic	14.2	0.5	K-Ar	plagioclase	Thompson, 1985
MP – volcanic	14.27	0.12	$^{40}Ar/^{39}Ar$	whole rock	Faulds et al., 1995
MP – volcanic	14.5	0.1	$^{40}Ar/^{39}Ar$	whole rock	Faulds et al., 1995
WR – plutonic	15.1	0.6	K-Ar	biotite	Anderson et al., 1972
MP – volcanics	15.74	0.1	$^{40}Ar/^{39}Ar$	biotite	Faulds et al., 1995
MP – plutonic	15.96	0.06	$^{40}Ar/^{39}Ar$	biotite	Faulds et al., 1993
MP – volcanic	19.9	0.5	40Ar/39Ar	whole rock	Faulds et al., 1995

System abbreviations: (F) Fortification Hill, (CM) Calville Mesa, (H) Hamblin volcano, (C) Cleopatra volcano, (BCA) Black Canyon assemblage, (BC) Boulder City, (P) Patsy Mine, (MP) Mount Perkins, (N) Nelson.

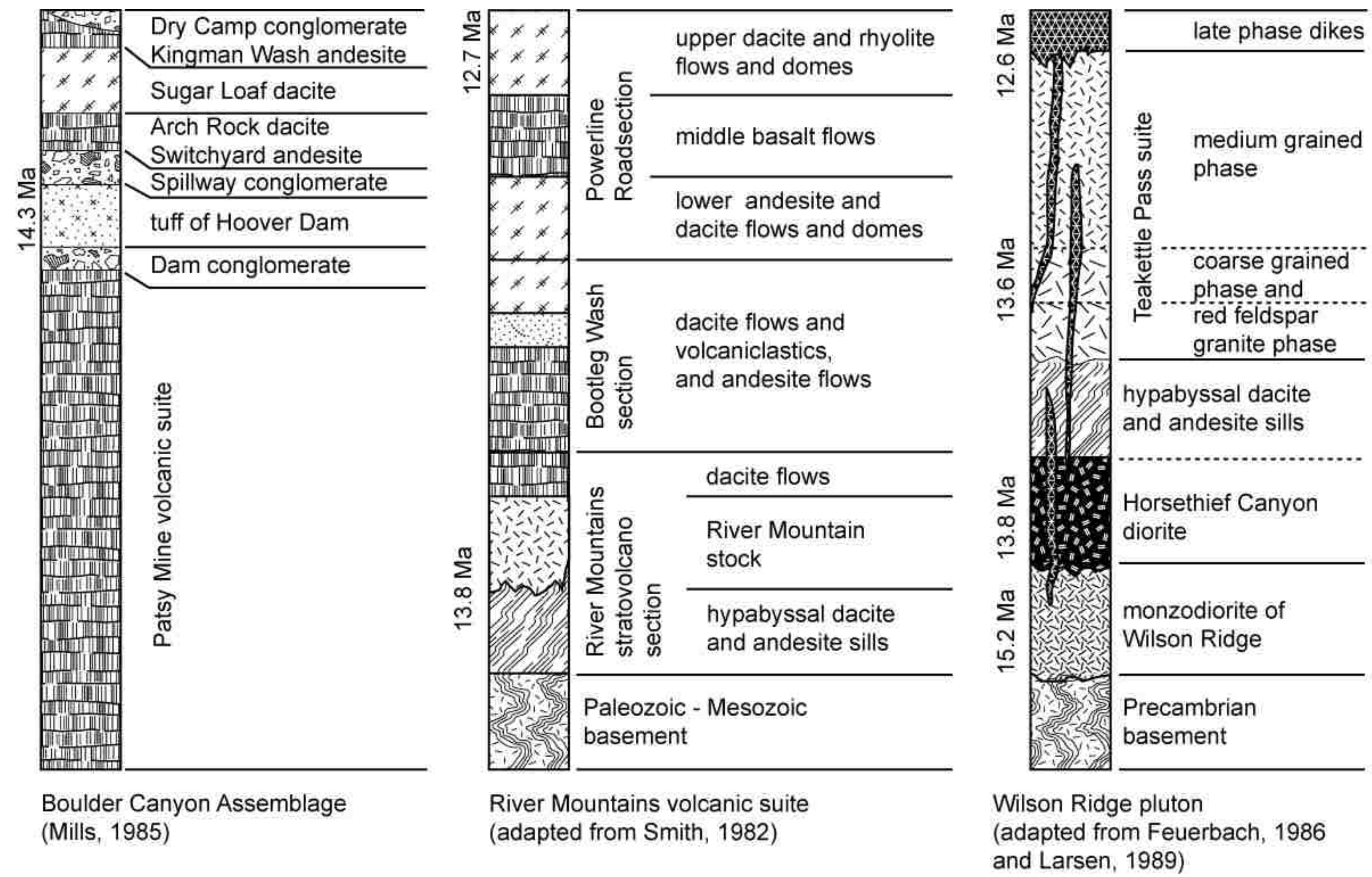


Figure 2, Generalized stratigraphic columns for the Boulder Canyon Assemblage, River Mountains volcanic suites and Wilson Ridge pluton

The Wilson Ridge Pluton

The WRP is an epizonal to hypabyssal calc-alkaline intrusion that formed (12.57 ± 0.03 – 13.6 ± 0.6 Ma, $^{40}Ar/^{39}Ar$ age, Faulds et al., 1999 and K-Ar age, Anderson et al., 1990; Table 1) during a period of mid-Miocene extension. Faulting and erosion have provided a cross section of the pluton in plan view. Geobarometry based on amphibole from the Horsethief Canyon diorite at the base of the pluton indicates that the pluton is tilted 17º to the north (Metcalf and Smith, 1991). The apex of the pluton, just south of Boulder Canyon, which is now Lake Mead, is composed of a hypabyssal quartz monzonite and dacite cut by numerous rhyolite, dacite and basalt dikes. The base of the pluton 20 km south of its apex has a low-angle intrusive contact with Precambrian basement. The WRP is composed of a hypabyssal suite, the monzodiorite of Wilson Ridge, the Horsethief Canyon diorite and the quartz monzonite of Teakettle Pass suite. The Teakettle Pass suite comprises the main phase of the WRP (80 km^2 outcrop area) and includes fine, medium, and coarse-grained varieties of quartz monzonite. Based on estimates from petrography, the major minerals of the coarse-grained quartz monzonite, which is the dominant phase of the Teakettle Pass suite, are quartz (20%), orthoclase (25%), plagioclase (40%), and subhedral prismatic hornblende (<5%) (Larsen, 1989). The medium-grained monzodiorite of Wilson Ridge is composed of plagioclase (45%), biotite and hornblende (40%), interstitial quartz and orthoclase (<20%). The Horsethief Canyon diorite (4 km^2 outcrop area) in the southern-most area of the pluton is composed of plagioclase (50%), hornblende (35%), biotite (10%), and quartz and orthoclase (<10%) as well as minor amounts of titanite and zircon (Larsen, 1989). Zircon, titanite, and apatite are also ubiquitous accessory phases in the Teakettle Pass suite, Horsethief Canyon diorite, and monzodiorite of Wilson Ridge.

Abundant basalt enclaves in the Teakettle Pass suite were studied in detail by Larsen (1989). The enclaves commonly occur in zones that were interpreted to represent synplutonic mafic injections into quartz monzonite of the Teakettle Pass suite, which were entrained and mechanically broken down by magmatic flow shear. A continuum in shape exists from enclaves that are bulbous and ellipsoidal to thin, tabular mafic selvages and schlieren and ultimately to the mafic components of the pluton, the monzodiorite of Wilson Ridge and Horsethief Canyon diorite. Diorite and monzodiorite enclaves are also present in the Teakettle Pass suite, but have angular contacts and are interpreted as xenoliths. Larsen (1989) and Larsen and Smith (1990) demonstrated that mafic enclaves present in the WRP are chemically similar to mafic dikes of the WRP and to basalt flows of the RM (Figure 3). Appendix A includes detailed descriptions of rock units and a summary of petrography.

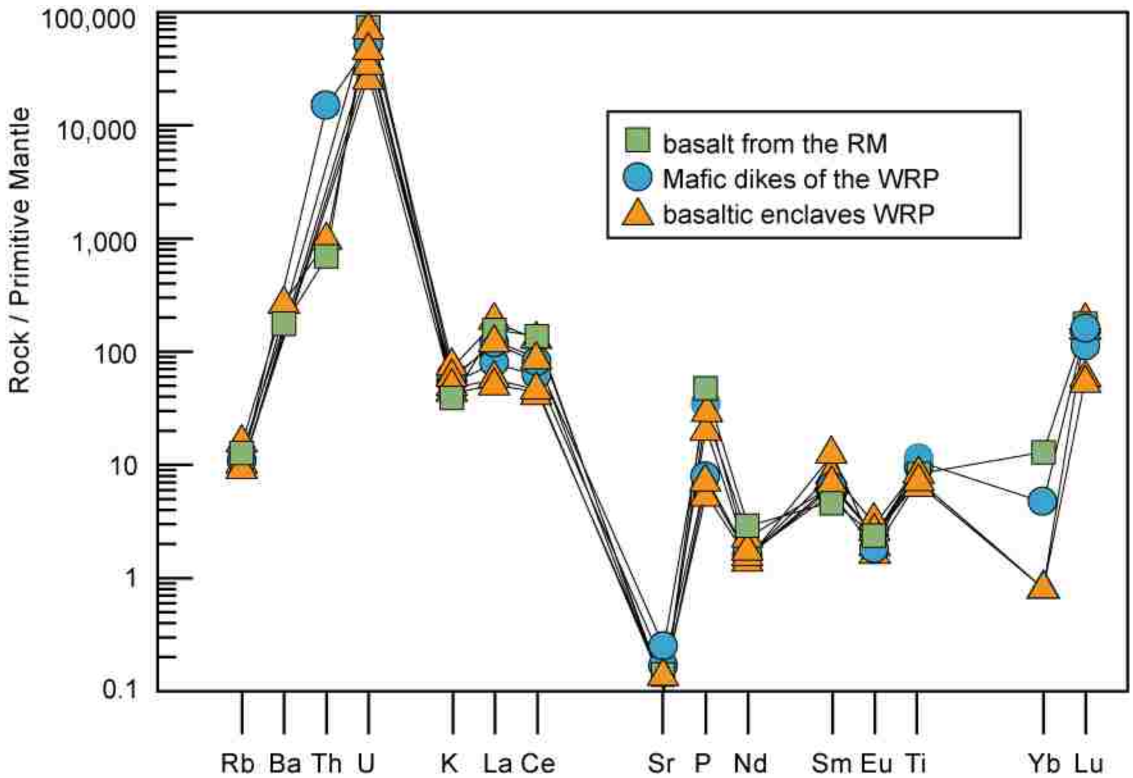


Figure 3, Trace element distribution diagram comparing basalt from the RM (green squares) with mafic dikes (blue circles) and basaltic enclaves (orange triangles) of the WRP. Samples were normalized to rock / primitive mantle following Sun and McDonough (1989).

The Saddle Island Fault

The Saddle Island fault (Smith 1982) detached the RM volcanic section from the underlying WRP, moving the volcanic rocks approximately 20 km to the west of the WRP (Weber and Smith, 1987; Figure 4). The fault is exposed just east of the RM at Saddle Island on the west shore of Lake Mead. At this location, the zone of faulting consists of a two-meter thick microbreccia, or ultracataclasite. A complete description of the Saddle Island fault is provided in Sewall (1988) and Duebendorfer et al. (1990).

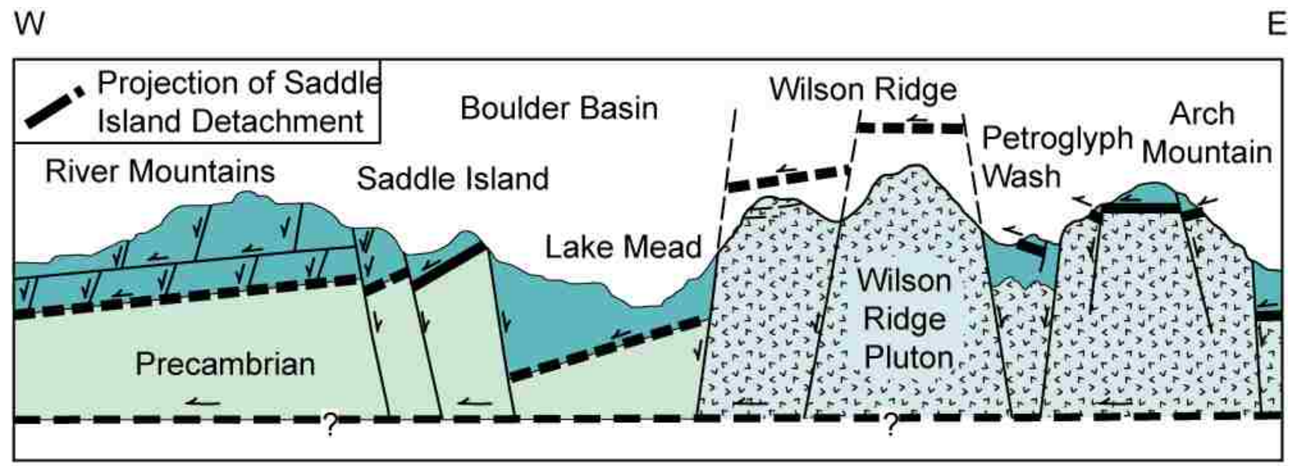


Figure 4. Cross-section through from the River Mountains on the west to Detrital Wash on the east. The Saddle Island detachment fault crops out on Saddle Island east of the River Mountains and on Arch Mountain east. Adapted from Duebendorfer et al. (1990).

Coeval Miocene Igneous systems in the Lake Mead Area

The emplacement age of the RM volcanic suite is between 11.8 ± 0.5 (K-Ar age from Anderson et al., 1972) and 14.0 ± 0.3 Ma (titanite fission track age from Koski et al., 1991) (Tables 1 and 2) and overlaps with reported $^{40}Ar/^{39}Ar$ ages for the WRP (12.57 ± 0.03 to 13.6 ± 0.6 Ma from Faulds et al. (1999) and K-Ar age from Anderson et al. (1990); Table 1) (Figure 5). In addition, the RM volcanic suite and WRP are also coeval with the Railroad Pass and Boulder City plutons and the Hamblin-Cleopatra and Boulder Canyon volcanic suites (Table 2, Figure 5).

The Boulder City pluton (14.14 ± 0.6 Ma; K-Ar ages, Anderson et al., 1972) is a composite intrusion composed of porphyritic monzonite and granite (Mills, 1994; Beard et al., 2007) (Table 2, Figure 5) that extends from the southeastern margin of the RM to the Colorado River south of Hoover Dam.

The Black Canyon assemblage (Mills, 1985) of the Hoover Dam area is a series of dacite and basaltic andesite lavas and tuffs interbedded with conglomerate and breccia. Mills (1985) suggested that the tuff of Hoover Dam (13.88 ± 0.1; $^{40}Ar/^{39}Ar$ age, Faulds et al., 1999) and Sugarloaf dacite (13.11 ± 0.02; $^{40}Ar/^{39}Ar$ age, Faulds et al., 1999) in the Black Canyon assemblage were cogenetic with the WRP (Table 2, Figure 5).

The Hamblin-Cleopatra volcanic suite (11.3 ± 0.8 to 14.2 ± 0.5 Ma; K-Ar age, Thompson, 1985) consists of a stratovoclano dissected by a left-lateral strike-slip fault with as much as 20 km offset (Anderson, 1973; Beard et al., 2007). The stratovolcano contains the entire range of compositions from basalt to rhyolite (Thompson, 1985). The Hamblin-Cleopatra section was not sampled for the present study because of Sr and Nd isotopic values from Thompson (1985) that are more primitive than any of the rocks of the RM or WRP (see discussion of isotopes below).

The relatively unstudied composite Railroad Pass pluton is primarily quartz monzonite. Smith (1980) suggested a link between the Railroad Pass pluton and the highly altered Red Mountain volcanic section of the southern RM. The Red Mountain section is however too altered for absolute dating and geochemistry to test this link. No published age for the Railroad Pass pluton is available.

Previous workers who investigated the links between volcanic and plutonic suites in the Lake Mead area concluded that the RM and the WRP were more closely related to each other than to the nearby Boulder City pluton or Black Canyon Assemblage. Duebendorfer et al. (1998) used the concentrations of the relatively immobile trace elements Th (4.2 – 25.1 ppm), Hf (3.3 – 6.6 ppm), Ta (0.9 – 1.7 ppm) to demonstrate that the RM and WRP cluster tightly, whereas samples from the Boulder City pluton plot outside this cluster (Figure 6). Also, chondrite-normalized rare-earth element distributions for RM volcanic and WRP rocks overlap, but are different from rare-earth element values for the nearby Boulder City pluton (Duebendorfer et al.,1990) (Figure 7).

Previous studies suggested a link between the RM and WRP, but when considering the entire region, differences between the RM-WRP and other magmatic systems are small. Therefore, it is necessary to not only compare more complete data sets, but also to interpret data sets in concert and in more detail. In the following section we describe new data collected in order to compare the RM with the WRP and with nearby igneous systems. Used collectively, these new data not only strengthen the link between the RM and WRP, but identify cogenetic volcanic and plutonic phases within this magmatic system.

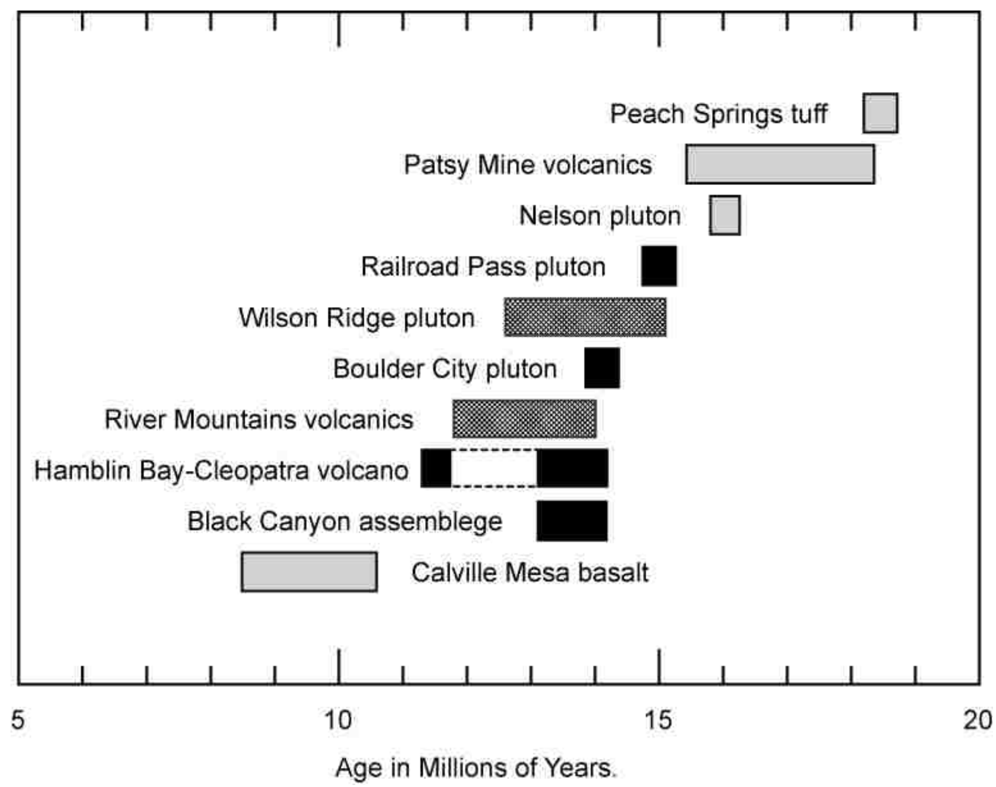


Figure 5, Age in millions of years for igneous systems of the Lake Mead area from K-Ar, $^{40}Ar/^{39}Ar$, and fission track compiled from previous work (Table 2). The WRP and RM (cross-hatched bars) overlap in age with the Railroad Pass pluton, Boulder City pluton, Hamblin Bay-Cleopatra volcano, and Hoover Dam volcanics (black bars). The light gray bars represent igneous systems that are either too old or too young to be cogenetic with the RM or WRP.

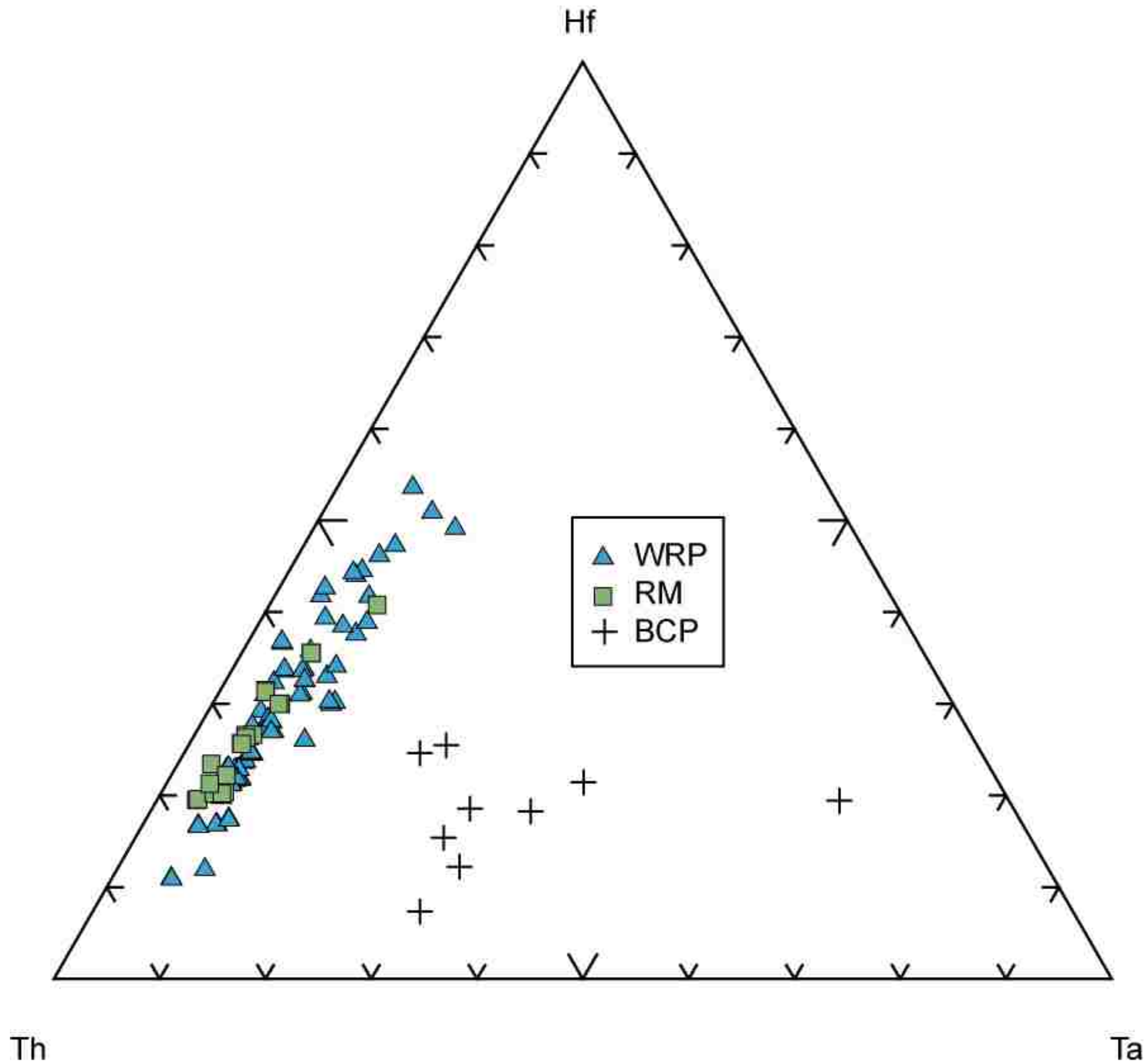


Figure 6, Ternary diagram reflecting the tight clustering of immobile elements Th, Hf, and Ta from the WRP and RM. The Boulder city pluton (BCP) does not fit in this tight cluster. Data from Duebendorfer et al., (1990); Feuerbach (1986); Smith et al. (1990); and Weber and Smith (1987).

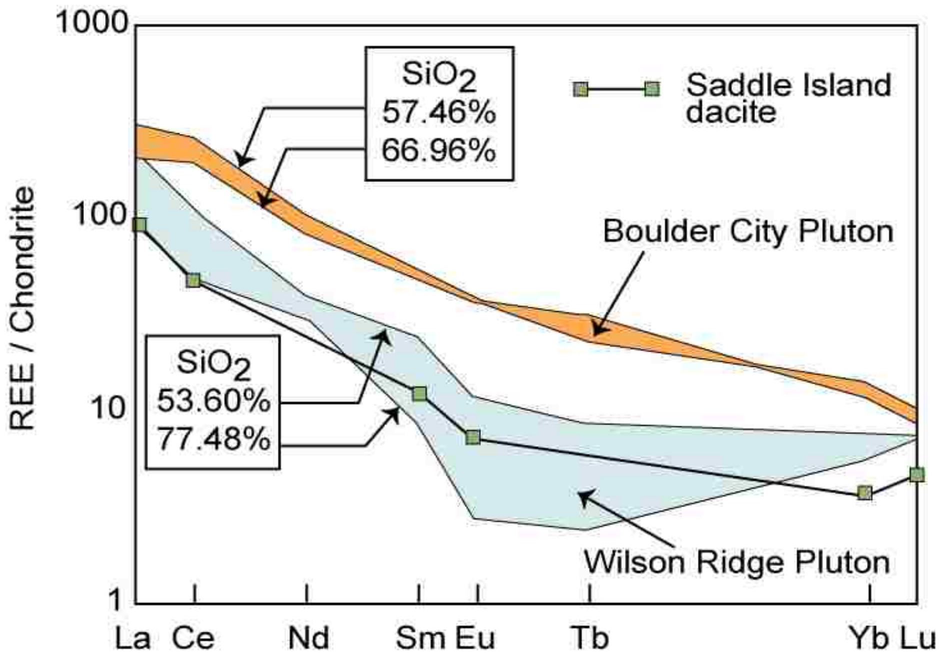


Figure 7, Trace element distribution diagram for the WRP (blue), Boulder City pluton (orange) and hypabyssal dacites from Saddle Island (green squares). SiO2 ranges are given for Boulder City pluton and WRP samples. Adapted from Duebendorfer et al. (1990).

Analytical Techniques

Locally, rocks of the Lake Mead area are hydrothermally altered (Potts, 2000); therefore, care was taken to collect fresh samples. New samples were collected based on geologic units mapped by Anderson (1977); Bell and Smith (1980); Smith (1984); Feuerbach (1986); Naumann (1987); Thompson (1985); Sewall (1988); Larsen (1989); Mills (1994); Rittase (2007); and Beard et al., (2007). Appendix A contains sample locations and classification by major element chemistry based on the International Union of Geological Sciences (IUGS) scheme.

Twenty seven whole rock samples were analyzed by using lithium metaborate / tetraborate fusion disks with X-ray fluorescence (XRF) at UNLV and

XRF with inductively coupled mass spectrometry (ICP-MS) at Activation Laboratories (http:/www.actlabs.com) for major and trace element geochemistry. WRP whole rock major and trace element data are also compiled from Feuerbach (1986) and Larsen (1989). Supplemental data for the nearby Hamblin-Cleopatra volcano are from Thompson (1985). Regional data compiled by Metcalf (2004) are used for comparing Lake Mead area systems with regional trends. New and compiled major and trace element data are reported in Appendix A.

Twenty five of these whole rock samples were also analyzed for $^{87}Sr/^{86}Sr$ and $^{143}Nd/^{144}Nd$ by using thermal ionization mass spectrometry (TIMS) at New Mexico State University (NMSU) and Kansas University (KU). Data produced at KU were corrected for comparison with the NMSU data by evaluating analyses of the standard NBS987 from both facilities and applying a correction factor. Isotopic data for the NCREC compiled by Metcalf (2004) do not include analyses of standards so no correction was applied for interlaboratory variation. All $^{87}Sr/^{86}Sr$ data, new and compiled, were corrected for ^{87}Sr growth with age following methods described in Faure and Mensing (2005).

For $^{206}Pb/^{238}U$ ages, zircon grains were separated from 5 samples from the RM, 10 from the WRP, and one sample from each of the Boulder City pluton, Railroad Pass pluton, and tuff of Hoover Dam (see Appendix A for sample locations). After mounting the grains in epoxy and polishing to reveal internal zonation, an Oxford Cathodoluminescence (CL) detector mounted on the JEOL model JXA-8900 electron probe microanalyzer (EPMA) at the University of

Nevada, Las Vegas was used to take CL images of these grains. The images were used as a map for targeting the 20 µm beam of the Cameca IMS-1270 secondary ionization mass spectrometer (SIMS) at the ion microprobe facility at the University of California Los Angeles to quantify $^{206}Pb/^{238}U$ ratios. Zircon $^{206}Pb/^{238}U$ data were reduced by using UCLA in-house software ZIPS v3.0.4. Individual SIMS analyses yielded large uncertainties, making the regression ages calculated from Concordia and Terra Wasserberg plots unreliable. Instead, weighted mean ages were calculated by using the statistical add-in (Isoplot 3.0) for Microsoft's Excel program (Ludwig, 2003). Outliers in these data were recognized by using the mean sum of weighted deviations (MSWD) criteria of Wendt and Carl (1991), but were only removed if their SIMS analysis demonstrated an additional reason (i.e., high common lead, analyses close to cracks or grain edges). In six samples, bimodal distribution of $^{206}Pb/^{238}U$ ages were recognized in age histograms (Appendix B). These bimodal populations were further differentiated by using the UNMIX algorithm (Sambridge and Compston, 1994) provided in the Isoplot 3.0 add-in (Ludwig, 2003). From these distributions, zircon grains were classified as phenocrysts, antecrysts, or xenocrysts (Appendix B). The term phenocryst is used to describe grains that grew in equilibrium with the host magma. Antecryst, as introduced and defined by Wes Hildreth at the 2001 Penrose Conference is a grain that grew in an earlier pulse of magma in the same igneous system. Xenocrystic grains are foreign to the igneous system in which they now reside. In the case of bimodal age distributions, phenocrysts populations were used in age calculations.

However, some of the samples with bimodal age distributions have phenocrysts populations too small to yield statistically robust ages (Appendix B).

Results

$^{206}Pb/^{238}U$ Geochronology

New $^{206}Pb/^{238}U$ ages and their 2σ uncertainties are reported in Table 3 and Figure 8 are in Appendix B. The oldest WRP $^{206}Pb/^{238}U$ zircon age is 15.18 ± 0.31 Ma (n= 13, from the monzodiorite of Wilson Ridge on the southeastern margin of the WRP. This monzodiorite was intruded by the Horsethief Canyon diorite, which contains zircons yielding an age of 13.96 ± 0.50 Ma (n=7). A second sample from of this phase from near its contact with quartz monzonite of the Teakettle Pass suite, indicates an age of 13.62 ± 0.30 Ma (n=6). A sample of the coarse-grained quartz monzonite of the Teakettle Pass suite is 13.96 ± 0.46 Ma (n=10). Additionally, samples from the medium grained Teakettle Pass quartz monzonite were dated at 13.47 ± 0.37 (n=11) and 12.95 ± 0.42 Ma (n=4). The older of the Teakettle Pass ages is nearly identical with the age of the coarse-grained quartz monzonite, but the difference between the two indicates a more protracted history of zircon growth for this phase of the pluton. These two intrusions overlap in age with the shallowest rocks of the plutonic suite, which are represented by a rhyolite sill of the hypabyssal suite (14.62 ± 0.42 Ma, n=11) exposed in the northernmost part of the pluton. The youngest dated unit in the WRP is a two meter wide rhyodacite dike that cuts the Teakettle Pass suite and has two age populations 13.64 ± 0.43 Ma (n=11) and 13.29 ± 0.38 Ma (n=10).

The older of these populations is interpreted to represent antecrysts. This antecryst age is coeval with the hypabyssal suite and early monzodiorite and diorite intrusions.

The RM stock is the oldest unit in the RM (13.83 ± 0.34 Ma, n=16). The next youngest RM age is from another phase of this stock, which yielded an age of 13.75 ± 0.53 Ma (n=10). These ages overlap in uncertainty with each other as well as numerical ages from a hypabyssal dacite sill of the RM stratovolcano (13.55 ± 0.42 Ma, n=9) and rhyolite dome in the Powerline Road volcanic section (13.12 ± 0.38 Ma n=10). The youngest zircon $^{206}Pb/^{238}U$ age in the RM (13.12 ± 0.38 Ma n=10) is from three zircon phenocrysts in a sample of a dacite intrusion in the Powerline Road volcanic section. Twenty antecrysts from the same sample

New $^{206}Pb/^{238}U$ zircon dates were also obtained from the tuff of Hoover Dam from the Boulder Canyon Assemblage, Railroad Pass pluton, and Boulder City pluton. The age of the Railroad Pass pluton (15.65 ± 0.43 Ma, n=10) is slightly older than the oldest of the WRP ages (15.18 ± 0.31 Ma) (Figure 8). The 14.30 ± 0.42 Ma (n=11) age from the tuff of Hoover Dam is coeval with the RM stock (13.83 ± 0.34 to 13.75 ± 0.53 Ma) and the earliest intrusions of the WRP, the monzodiorite of Wilson Ridge (15.18 ± 0.31 Ma) and Horsethief Canyon diorite (13.96 ± 0.50 to 13.62 ± 0.30 Ma). In contrast, the Boulder City pluton is much younger (12.48 ± 0.48 Ma, n=7). However, unpublished $^{206}Pb/^{238}U$ zircon age provided by Bob Fleck of the U.S. Geological Survey indicates that the

Boulder City pluton is a complex body that began forming as early as 13.27 ± 0.03 Ma.

Table 3: Summary of $^{206}Pb/^{238}U$ zircon ages by sample

sample	system	grains†	rock type and map unit*	age	2σ	MSWD	grain type
GR	RM)	n=10	rhyolite dome, (Tpdu)	13.12	0.38	1.04	phenocryst
R3	(RM)	n=16	quartz monzonite (Trg)	13.83	0.34	0.64	phenocryst
R25	(RM)	n=10	quartz monzonite (Trg)	13.75	0.53	0.51	phenocryst
R33	(RM)	n=9	hypabyssal andesite (Tra)	13.55	0.42	0.18	phenocryst
R34	(RM)	n=3	dacite intrusion (Tpd2)	12.66	0.54	0.68	phenocryst
R34	(RM)	n=20	dacite intrusion (Tpd2)	14.49	0.26	0.80	antecryst
W5	(WRP)	n=11	quartz monzonite (Twrm)	13.47	0.37	0.51	phenocryst
W6	(WRP)	n=4	quartz monzonite (Twrm)	12.95	0.42	0.51	phenocryst
W6	(WRP)	n=6	quartz monzonite (Twrm)	13.94	0.38	0.99	antecryst
W21	(WRP)	n=7	diorite intrusion (Tid)	13.96	0.50	0.83	phenocryst
W26	(WRP)	n=10	quartz monzonite (Twrc)	13.96	0.46	0.49	phenocryst
W27	(WRP)	n=11	hypabyssal rhyolite (Twrh)	14.62	0.42	0.38	phenocryst
W30	(WRP)	n=10	rhyolite dike (Twrd)	13.29	0.38	0.59	phenocryst
W39	(WRP)	n=11	rhyolite dike (Twrd)	13.64	0.43	0.43	phenocryst
W40	(WRP)	n=13	monzodiorite (Tmd)	15.18	0.31	0.52	phenocryst
W42	(WRP)	n=6	diorite intrusion (Tid)	13.62	0.30	0.74	phenocryst
W42	(WRP)	n=8	monzodiorite (Tmd)	14.67	0.27	0.53	antecryst
BCP	(BCP)	n=7	quartz monzonite (TBCp)	12.48	0.48	0.25	phenocryst
RRP	(RRP)	n=10	quartz monzonite (Trrp)	15.65	0.43	1.60	phenocryst
Hoov	(BCA)	n= 11	rhyolite tuff (Thd)	14.30	0.42	0.98	phenocryst

†systems abbreviated are the River Mountains volcanic suite (RM), the Wilson Ridge pluton (WRP), The Boulder City pluton (BCP), the Railroad Pass pluton (RRP), and the Black Canyon assemblage (BCA).

Map unit abbreviations are from Anderson (1977), Beard et al. (2007), Feuerbach (1986), Larsen (1989), Mills (1994), Smith (1982), Smith (1984).

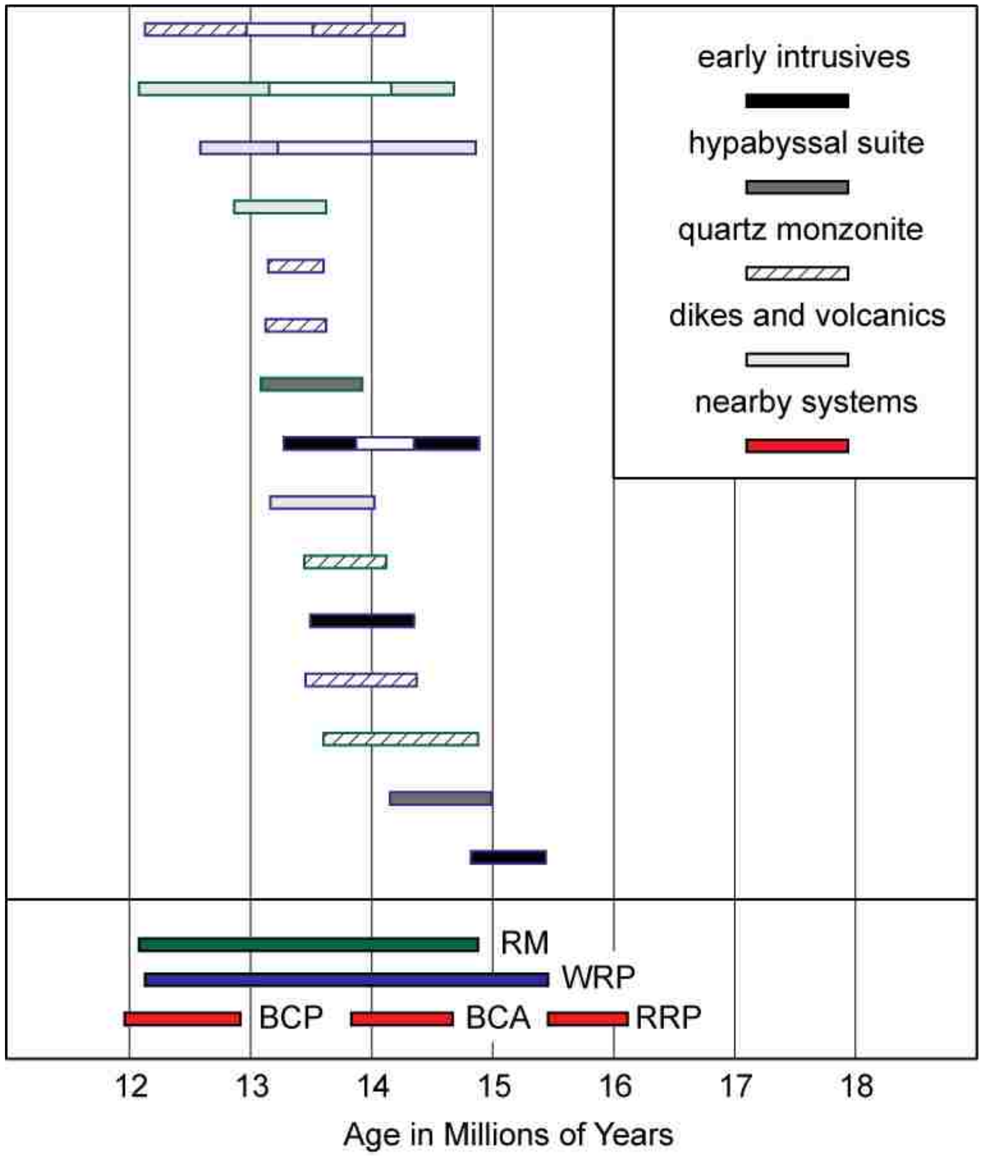


Figure 8, New $^{206}Pb/^{238}U$ zircon ages for the RM (green), WRP (blue), Boulder City pluton (BCP), Hoover Dam tuff of the Black Canyon Assemblage (BCA), and Railroad Pass pluton (RRP). The width of the bars reflects the uncertainty associated with the age. Gaps in the bars represent ages with more than population of grains. Data and histograms for each age are documented in Appendix C.

<u>Major and Trace Element Geochemistry</u>

Rocks of the RM and the WRP overlap in major and trace element concentrations and $^{87}Sr/^{86}Sr$ and $^{143}Nd/^{144}Nd$ (Table 4, Appendices A and C). For example, the RM volcanic suite ranges from 46.0 to 73.4 wt.% SiO_2, and pluton rocks of the WRP from 49.90 to 75.27 wt.% SiO_2. A non-paired, two tailed student's t-test was used to compare major and trace element concentrations and $^{87}Sr/^{86}Sr$ and $^{143}Nd/^{144}Nd$ in the RM with those in the WRP. The only two elements that failed the null hypothesis (that the populations are statistically similar at a 95% confidence interval) are Rb and K_2O (ρ values reported in Table 4). In other words, for all elements except these two there is a less than 5% chance that the populations are different. Because Rb and K_2O are mobile during metasomatism and there is significant evidence for metasomatism (discussed below) in the WRP, it is plausible that the concentrations of these two elements have been effected by syn- to post-emplacement alteration. Therefore, there is no statistical reason to assume that the RM and WRP samples are more than one population based on major and trace elements and $^{87}Sr/^{86}Sr$ and $^{143}Nd/^{144}Nd$ isotopes (Table 4).

Table 4: Range of Element and Isotope Compositions and ρ-values from T-tests (ρ -values of less than 0.05 fail the null hypothesis; that the populations are statistically similar at a 95% confidence interval

Element	RM range	RM variation	WR range	WR variation	ρ-value
SiO_2 wt.%	46.01 – 73.39	27.38	49.90 – 75.27	25.37	0.181
Al_2O_3 wt.%	12.18 – 17.00	4.82	12.92 – 16.90	3.98	0.136
Fe_2O_3 wt.%	1.39 – 12.90	11.51	1.43 – 9.22	7.79	0.181
MnO wt.%	0.01 – 0.21	0.2	0.01 – 1.50	1.49	0.135
MgO wt.%	0.16 – 8.43	8.27	0.24 – 7.83	7.59	0.512
CaO wt.%	0.19 – 11.20	11.01	0.19 – 10.00	9.81	0.843
Na_2O wt.%	2.20 – 9.23	7.03	2.58 – 9.17	6.59	0.602
K_2O wt.%	0.15 – 8.52	8.37	0.28 – 8.51	8.23	0.041
TiO_2 wt.%	0.19 – 2.10	1.95	0.22 – 1.74	1.52	0.623
P_2O_5 wt.%	0.04 – 1.00	0.96	0.07 – 1.80	1.73	0.445
Rb (ppm)	33 – 216	183	7 – 214	207	0.003
Sr (ppm)	30 – 1205	1175	39 – 1230	1191	0.153
Nd (ppm)	22.4 – 118.0	95.6	19.4 – 135	115.6	0.223
Sm (ppm)	3.7 – 15.6	11.9	3.2 – 21.4	18.2	0.565
Yb (ppm)	1.3 – 2.8	1.5	1.4 – 2.4	1.0	0.282
Lu (ppm)	0.20 – 0.40	0.20	0.22 – 0.35	0.13	0.053
Hf (ppm)	4.0 – 10.2	6.2	3.4 – 7.1	3.7	0.089
Th (ppm)	7.7 – 31.2	23.5	8.3 – 30.2	21.9	0.446
U (ppm)	1.3 – 9.9	8.6	1.8 – 4.9	3.1	0.131
$(^{87}Sr/^{86}Sr)_i$	0.7084 – 0.7107	0.002303	0.7077 – 0.7126	0.0049	0.889
$(^{143}Nd/^{144}Nd)_i$	0.5119 – 0.5129	0.000982	0.5119 – 0.5123	0.0004	0.832

The RM-WRP units separate into four groups based on the concentrations of SiO_2 and TiO_2 (Figure 9). SiO_2 and TiO_2 were chosen because there concentrations are a function of magma evolution (SiO_2 increase, TiO_2 decrease), reflecting the rock type, and are the major elements least vulnerable to the effects of alteration. We used the concentrations of SiO_2 and TiO_2 to subdivide the RM and WRP into four groups as follows: group 1 (>71 wt.% SiO_2 and 0.2 – 0.42 wt.% TiO_2) includes rhyolites and high silica quartz monzonite, group 2 (66 – 71 wt.% SiO_2 and 0.33 – 0.50 wt.% TiO_2) are lower silica quartz monzonite and dacite, group 3 (60 – 65 wt.% SiO_2 and 0.46 – 0.50 wt.% TiO_2) includes intermediate dacite and andesite, and group 4 (<60 wt.% SiO_2 and 0.9 – 1.8 wt.% TiO_2) includes the Horsethief Canyon diorite, monzodiorite of Wilson Ridge, and basalts. These groups are the basis for comparing the RM with the

WRP and identifying equivalent units. A non-paired, two tailed t-test was used to determine whether the four groups are statistically different. Adjacent groups were tested and in all cases, at the 95% level of significance, p-values were less than 0.05 indicating that groups are statistically different from one another (there is less than a 5% chance that they are similar).

Table 5: Samples by Geochemical Groups and Unit

Sample	Group #	Phase	Rock Type
R2	Group 1	RM stock	quartz monzonite
W5	Group 1	Teakettle Pass suite	quartz monzonite
W6	Group 1	Teakettle Pass suite	quartz monzonite
W14	Group 1	WRP hypabyssal suite	rhyolite sill
W26	Group 1	Teakettle Pass suite	quartz monzonite
W27	Group 1	WRP hypabyssal suite	rhyodacite sill
W30	Group 1	WRP late phase dikes	rhyodacite dike
R33	Group 1	RM stratovolcano	rhyolite flow
W39	Group 1	WRP late phase	rhyolite dike
GR	Group 1	Powerline Road	rhyolite dome
83-348	Group 2	Powerline Road rhyolite	rhyolite flow
RP-349	Group 2	Powerline Road rhyolite	rhyolite flow
RRP	Group 2	Railroad Pass pluton	quartz monzonite
DB229	Group 2	Bootleg Wash section	dacite flow
DP223	Group 2	Powerline Road	dacite flow
DP220	Group 2	Powerline Road	dacite flow
DP271	Group 2	Powerline Road	dacite flow
R3	Group 2	RM stock	quartz monzonite
W9	Group 2	WRP hypabyssal suite	dacite sill
R24	Group 2	RM stock	quartz monzonite
R25	Group 2	RM stock	quartz monzonite
R31	Group 2	RM stratovolcano	andesite flow
R32	Group 2	RM stratovolcano	andesite flow
W38	Group 2	Teakettle Pass suite	quartz monzonite
78-223	Group 2	Powerline Road section	dacite flow
MR 231	Group 3	RM stock	quartz monzonite
AP 347	Group 3	Powerline Road section	andesite flow
R34	Group 3	Powerline Road section	dacite intrusion
W41	Group 3	monzodiorite of WRP	monzodiorite intrusion
BCP	Group 3	Boulder City pluton	quartz monzonite
Hoov	Group 3	tuff of Hoover dam	andesitic ash-flow tuff
W29	Group 4	basaltic enclave WRP	basalt enclave
W36	Group 4	WRP diorite block	diorite block
W42	Group 4	Horsethief Canyon diorite	diorite intrusion
W21	Group 4	Horsethief Canyon diorite	diorite intrusion
LL-88-41	Group 4	Horsethief Canyon diorite	diorite intrusion
78-218	Group 4	Powerline Road basalt	basalt flow
AB 230	Group 4	Bootleg Wash section	basalt flow
AP 346	Group 4	Powerline Road section	basalt flow
AP 222	Group 4	Powerline Road section	andesite flow
DR 272	Group 4	RM stratovolcano	dacite flow
AB226	Group 4	Bootleg Wash section	andesite flow

Within each of the four SiO_2 vs. TiO_2 groups, trace element concentration patterns, as viewed on multi-element distribution diagrams, are nearly identical for RM and WRP samples (Figure 10). In general, group 1 (most silicic) is more depleted in Sm, Eu, Ti, Dy, and Y. All four groups have more variable concentrations of Cs, Rb, Ba, Th, U, Ta, K, Sr, and P than Nb, Nd, Zr, Sm, Eu, Ti, Dy, Y, Yb, and Lu.

Samples of the Boulder Canyon assemblage, Boulder City pluton, and Railroad Pass pluton cannot be compared with the RM and WRP by using the student t-tests because a population size of at least five is required and only a single sample was collected from each of these studies. However, we note that the Boulder Canyon and Boulder City samples have trace element concentrations within the range defined by the RM and WRP samples (Figure 11; Appendix A). The Railroad Pass pluton contains higher concentrations of Dy, Y, Yb, and Lu than any of the samples from the RM and WRP (Figure 11; Appendix A).

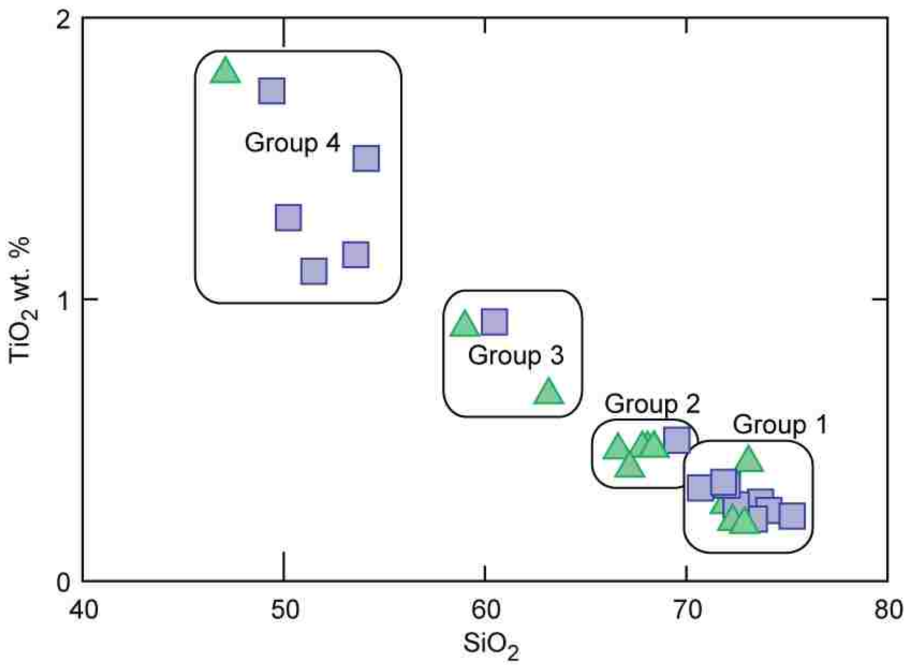


Figure 9, RM and WRP samples separated into four groups based on TiO2 and SiO2. Separation of samples into these four groups was confirmed using a student's T-test.

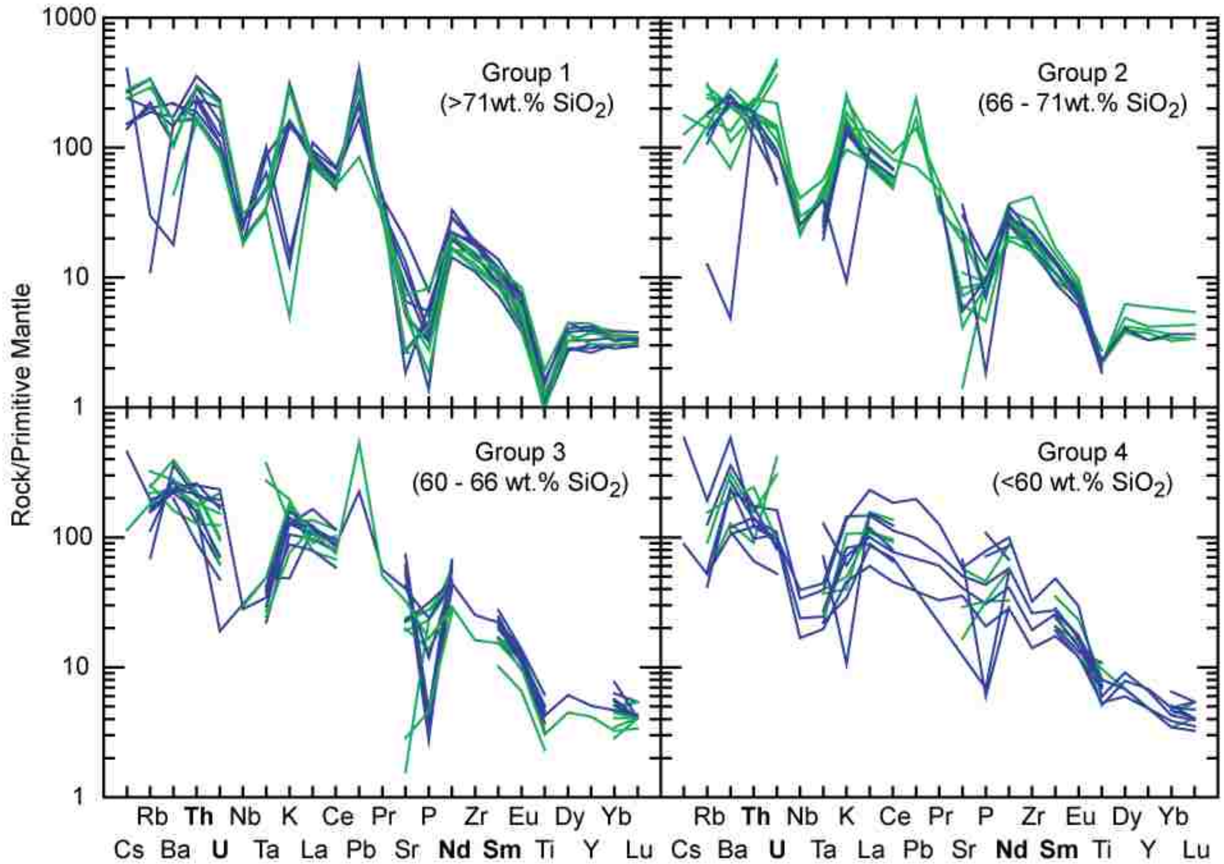


Figure 10. Trace element distribution diagrams for RM-WRP samples separated into SiO_2 vs. TiO_2 groups. RM samples are represented by green green tie-lines. WRP samples are blue blue tie-lines. Discontinuous lines reflect samples that were not analyzed for all elements. Diagrams were created using IgPet for Windows (1998) based on Rock / Primitive Mantle (Sun and McDonough, 1989).

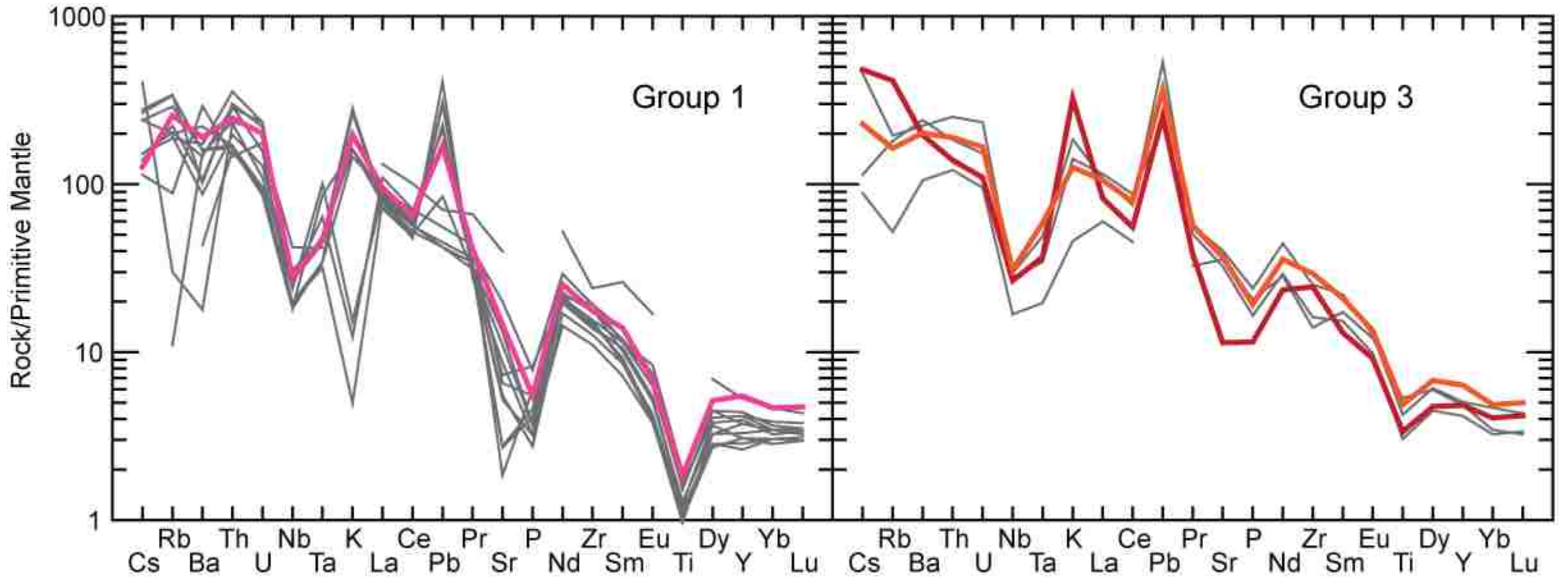


Figure 11. Trace element distribution diagrams comparing the nearby Lake Mead area systems to appropriate RM-WRP samples according to SiO_2 vs. TiO_2 groups. RM-WRP samples are represented by gray lines. The Railroad Pass pluton by a pink line (group 1) and the Hoover Dam tuff is represented by a red line (group 3), the Boulder City pluton by an orange line (group 3). Broken lines reflect samples that were not analyzed for all trace elements on the diagram. All samples were normalized by rock/primitive mantle following Sun and McDonough (1989) using IgPet for Windows (1989) and data is documented in Appendix A.

<u>Alteration</u>

Using geochemistry to compare volcanic and plutonic rock suites in the RM-WRP is challenging due to the effects of hydrothermal alteration. Although samples were collected from fresh outcrops without obvious signs of alteration, major and trace element geochemistry demonstrate that some of these new samples were altered. Based on the observations of Carmichael et al. (1974), unaltered silicic rocks range in K_2O from 2.5 to 6 wt.% and Na_2O ranges from 2.5 to 6 wt.%. Five samples from the RM and three from the WRP have unusually high K_2O/Na_2O for silicic rocks and are therefore consistent with alteration. In addition, one of the RM samples and eight of the Wilson Ridge samples have K_2O/Na_2O lower than the unaltered range set forth by Carmichael et al. (1974) based on observational data (Figure 12).

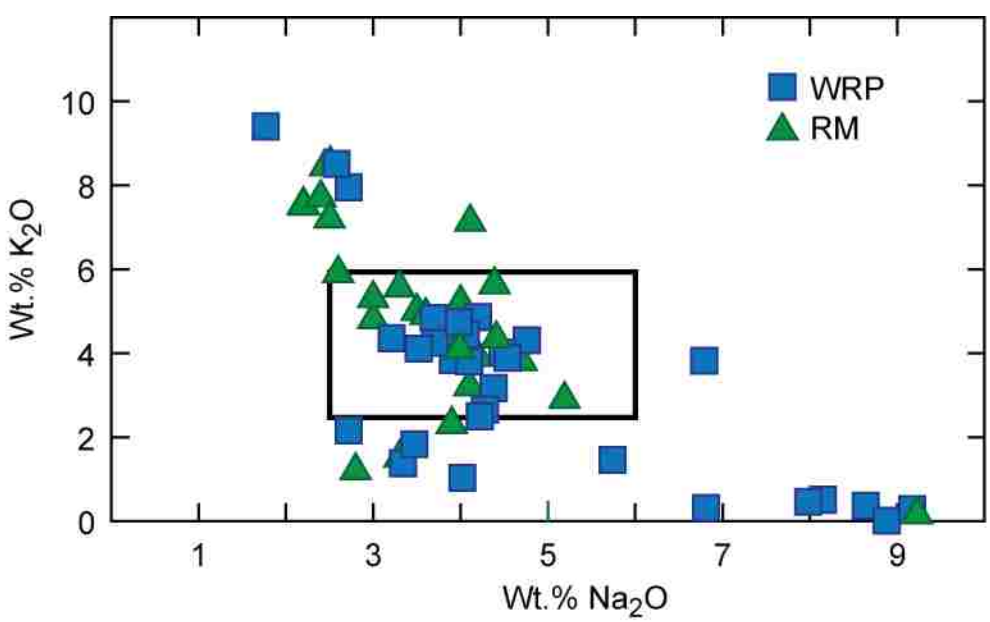


Figure 12, Criteria for identifying altered whole rock samples based on K_2O/Na_2O. Unaltered silicic rocks range in K_2O from 2.5 to 6 wt.% and Na_2O ranges from 2.5 to 6 wt.% (Carmichael et al., 1974).

RM and WRP Compared to Regional Trends

The RM and WRP are similar in major and trace element concentrations as well as $^{87}Sr/^{86}Sr$ and $^{143}Nd/^{144}Nd$ to the regional dataset of magmatic rocks in the NCREC. For major and trace elements, the RM and WRP cover the entire range defined by regional data compiled by Metcalf (2004) (Figure 13a, Figure 13b, and Appendix A). However, these suites only cover roughly half of the range in both $^{87}Sr/^{86}Sr$ and $^{143}Nd/^{144}Nd$, and trend towards more crustal compositions (Figure 14, Appendix C). The overlapping major, trace, and isotopic trends demonstrate that the magmatic rocks in the entire NCREC are remarkably similar in composition, making correlation between volcanic and plutonic suites using geochemistry alone unconvincing.

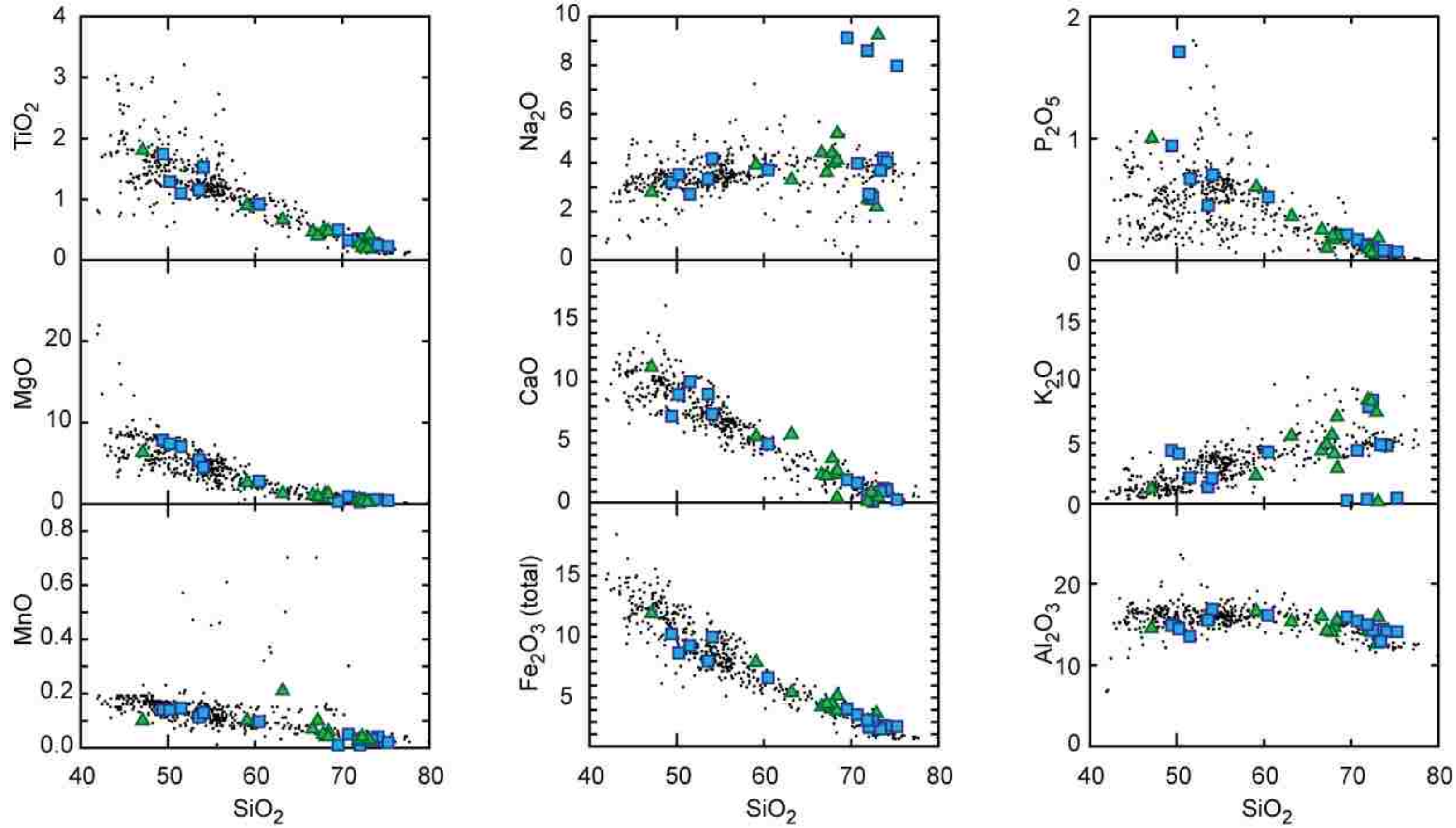


Figure 13a, Stacked Harker variation diagrams for major elements demonstrate overlapping major element trends for the RM (squares) and WRP (triangles). These trends also reflect the similarity between the RM and WRP and the regional igneous rocks (black dots).

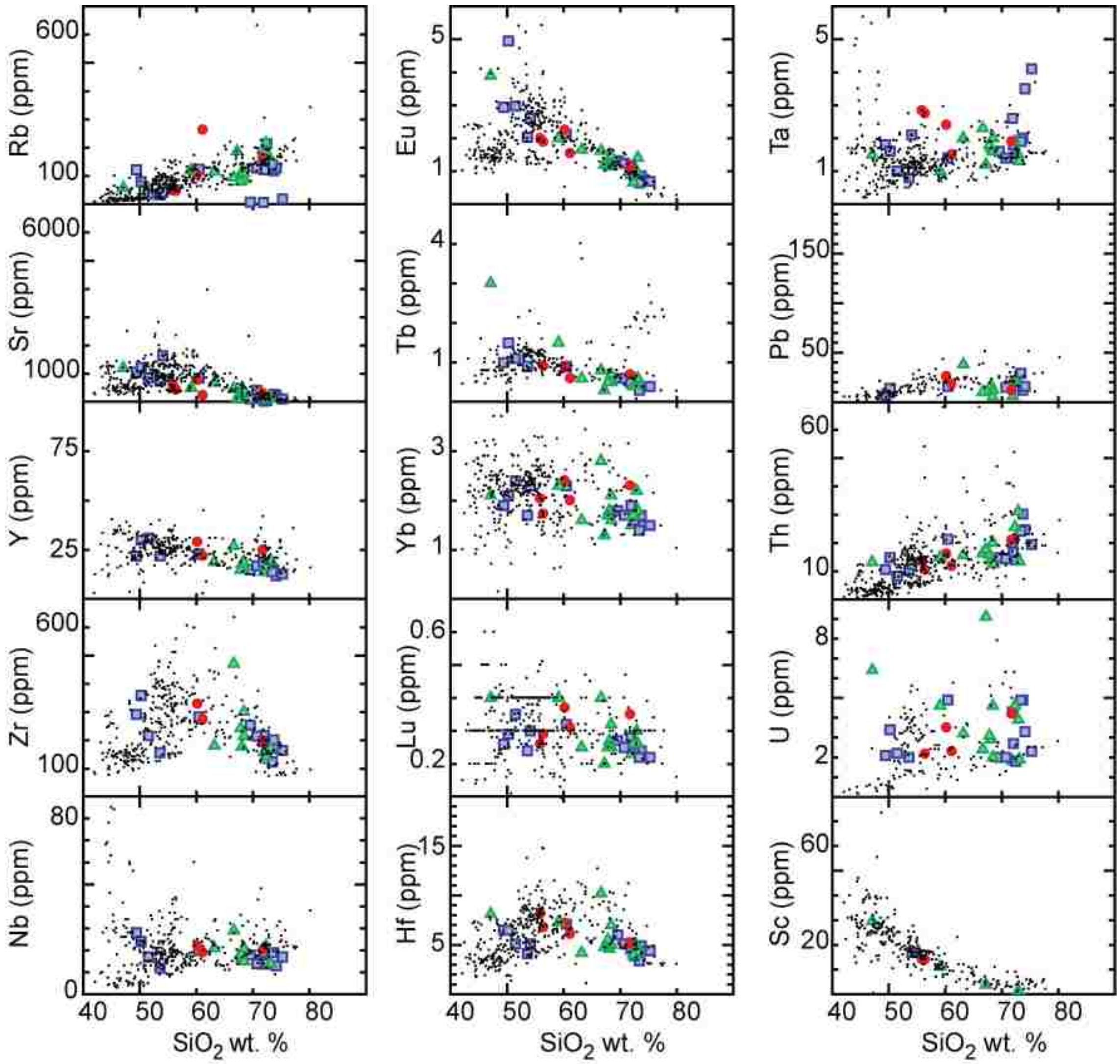


Figure 13b, Stacked Harker variation diagrams for trace elements, comparing the RM (green triangles), WRP (blue squares), Lake mead area systems (red circles), and regional samples (black dots). Regional sample data compiled by Metcalf (2004).

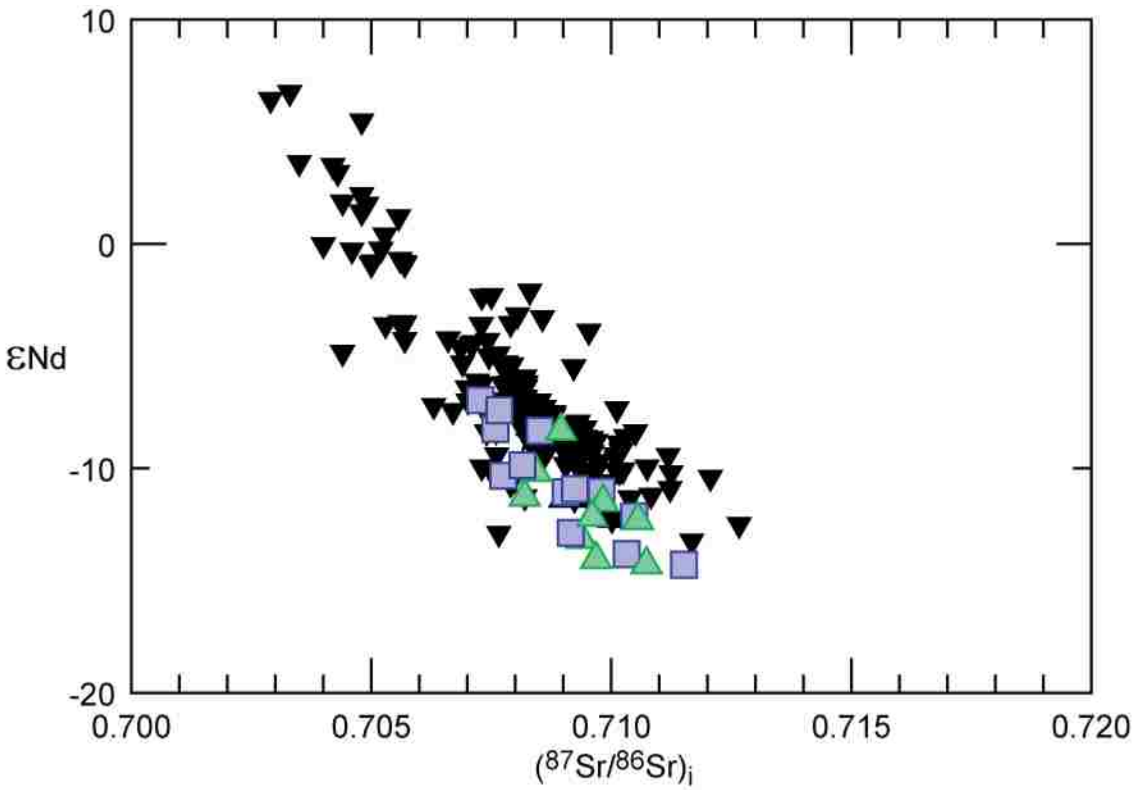


Figure 14, Comparison of RM (green triangles), WRP (blue squares), and regional trend (black triangles) with respect to $^{87}Sr/^{86}Sr$ vs. εNd. Regional data was compiled by Metcalf (2004).

Discussion

Consideration of Nearby Systems

In order to test the proposed cogenetic link between the RM and the WRP, links between these suites and nearby systems must be considered. Geochronology is consistent with the hypothesis that the RM volcanic suite and WRP are coeval with the Boulder City pluton, Boulder Canyon Assemblage, and Railroad Pass pluton (Figure 8; Appendix B). The new age for the Boulder City pluton (12.48 ± 0.48Ma) and the unpublished USGS date (13.27 ± 0.03 Ma) overlap with the RM and WRP (12.66 – 15.18 Ma) (Table 4, Figure 8). However, five of the thirteen analyzed zircons from the Boulder City pluton were identified as Precambrian xenocrysts, whereas only a single Precambrian zircon was found out of the 182 grains observed in the RM and WRP. Based on these observations, a cogenetic link between the Boulder city pluton and the RM-WRP cannot be ruled out, but is considered unlikely.

The Boulder Canyon assemblage (tuff of Hoover Dam) (14.30 ± 0.42 Ma, n=11, Table 4, and Figure 8) is coeval with the WRP, but marginally older than most volcanism in the RM. The tuff of Hoover Dam falls within the span of trace element concentrations, and $^{87}Sr/^{86}Sr$, and $^{143}Nd/^{144}Nd$ defined by the RM (Figure 12; Appendices A and C). The main argument against including the Boulder Canyon assemblage with the RM volcanic suite is the observation that the eruption of the tuff of Hoover Dam, which represents the last major activity in the Boulder Canyon assemblage and predates any major volcanic activity in the RM volcanic suite (13.55 ± 0.42 Ma).

The Railroad Pass pluton (15.84 ± 0.33 Ma, n=10, Figure 8 and Appendix C) located just to the southwest of the RM is separated from the volcanic suite by the Railroad Pass fault and the Red Mountain volcanic section. The Railroad Pass pluton is also significantly older than the oldest RM-WRP unit (15.18 ± 0.31Ma) and therefore is unlikely part of the RM-WRP system. In addition, the Railroad Pass pluton has nearly an order of magnitude higher enrichment in the immobile trace elements Dy, Y, Yb, and Lu, (compared to primitive mantle; Sun and McDonough, 1989) than the RM or WRP (Figure 11). Because, Dy, Yb, and Lu are three of the most immobile heavy rare-earth elements and therefore least likely to be effected by alteration, the difference in the enrichment of these elements when comparing the Railroad Pass pluton to the RM and WRP is therefore significant.

The Hamblin – Cleopatra (Thompson, 1985) volcano has a distinctive $^{87}Sr/^{86}Sr$ and $^{143}Nd/^{144}Nd$ signature that is significantly different from the RM volcanic suite and WRP (0.70442 to 0.70562 $^{87}Sr/^{86}Sr$ and 0.51239 to 0.51246 $^{143}Nd/^{144}Nd$, -3.51 to -4.84εNd for the Hamblin-Cleopatra system; >0.70765 to 0.71256 $^{87}Sr/^{86}Sr$ and 0.51189 to 0.51206 $^{143}Nd/^{144}Nd$, to -6.96 to -14.30 εNd for the RM and Wilson Ridge system) and is therefore not considered part of the RM-WRP system.

Linking the RM and WRP

Geochronology and Lithology

Although geochronology is a powerful correlation tool, it must be used carefully; rocks analyzed by different techniques reflect different events in the thermal history of the magmatic system. K-Ar and $^{40}Ar/^{39}Ar$ record the time of eruption, whereas $^{206}Pb/^{238}U$ zircon dates are usually older and can be more complex (Reid et al., 1997; Brown and Fletcher, 1999; Bacon and Lowenstern 2005; Charlier et al., 2005; Bachmann et al., 2007). Compared to potassium feldspars, zircon crystallizes relatively early, is more resistant to chemical, thermal, and physical weathering, and is likely to be entrained in later magmas. Feldspar and whole rock ages tend to represent emplacement, or the thermal decline of the system. Because these techniques record different events in the life of an igneous system they cannot be used interchangeably to correlate volcanic and plutonic suites. Therefore, only the new $^{206}Pb/^{238}U$ ages were used to determine that the RM (12.66 – 13.83 Ma) and WRP (12.95 – 15.18 Ma) were coeval (Table 3, Appendix B).

The RM volcanic suite and WRP are not only coeval but also display similar petrologic evolution. Both suites have early bimodal phases including hypabyssal units, intruded by quartz monzonite (the RM stock and Teakettle Pass suite), and finally return to bimodal magmatism represented by dikes, domes, and flows. Furthermore, intermediate phases are the most voluminous of each suite. Dacite flows of the Powerline Road section represent roughly 70% of the RM volcanic suite. These intermediate lavas are compositionally comparable to the quartz monzonite of the Teakettle Pass suite which make up the main phase of the WRP. Each of the three major phases (early bimodal hypabyssal, main phase intermediate, and late bimodal) of the RM and WRP overlap in $^{206}Pb/^{238}U$ age (Figure 8, Tables 3 and 6, Appendix B).

Table 6: $^{206}Pb/^{238}U$ age of the Three Major Igneous Phases

Unit	Age	Uncertainty (2σ)	Suite	Section
Early bimodal phases:				
R33 (dacite sill)	13.55 Ma	±0.42 Ma	RM	(RM stratovolcano)
W42 (diorite)	13.62 Ma	±0.30 Ma	WRP	(Horsethief Canyon)
W39 (dacite sill)	13.64 Ma	±0.43 Ma	WRP	(hypabyssal)
W21 (diorite)	13.97 Ma	±0.43 Ma	WRP	(Horsethief Canyon)
W27 (rhyolite sill)	14.62 Ma	±0.42 Ma	WRP	(hypabyssal)
Intermediate phases:				
R34 (dacite intrusion)	12.66 Ma	±0.54 Ma	RM	(Powerline Road)
W5 (q. monz)	13.47 Ma	±0.37 Ma	WRP	(Teakettle Pass)
R3 (q. monz)	13.83 Ma	±0.34 Ma	RM	(RM stock)
W26 (q. monz)	13.96 Ma	±0.46 Ma	WRP	(Teakettle Pass)
R25 (q. monz)	13.75 Ma	±0.53 Ma	RM	(RM stock)
W40 (monzodiorite)	15.18 Ma	±0.31 Ma	WRP	(monzodiorite of WRP)
Late bimodal phases:				
W6 (high silica q. monz)	12.95 Ma	±0.42 Ma	WRP	(Teakettle Pass)
W30 (rhyodacite dike)	13.29 Ma	±0.38 Ma	WRP	(late stage dikes)
GR (rhyolite dome)	13.12 Ma	±0.38 Ma	RM	(Powerline Road)

Geochemistry

Similar rock types formed coevally in the RM and WRP; a strong argument for cogenetic suites. This link is strengthened by the similarity in their isotopic ranges ($^{87}Sr/^{86}Sr$ and $^{143}Nd/^{144}Nd$) and trace element signatures as well as the identification of cogenetic volcanic and plutonic published map units (Anderson 1977; Beard et al., 2007; Feuerbach, 1986; Larsen, 1989; Mills, 1994; Smith, 1982, 1984).

The RM volcanic suite covers the same range in both $^{87}Sr/^{86}Sr$ and $^{143}Nd/^{144}Nd$ as the WRP (Table 4 and Figure 14). Although, their isotopic signature is similar to the regional trend, the data are more tightly clustered, which distinguishes it as a distinct system in the Lake Mead area (Figure 14).

Rocks from the RM volcanic suite and WRP cover a diverse range of rock types, so in order to compare trace element concentrations from the two suites, samples were split into four groups, described earlier, based on SiO_2 and TiO_2 concentrations (Figure 9). A student's t-test cannot be used to quantify the similarity of volcanic and plutonic samples within each of these groups because populations of at least five volcanic and plutonic samples are required. However, for both the volcanic and plutonic rock samples, groups 1, 2, and 3 have less variation in trace element concentrations than group 4. The increased scatter of group 4 may reflect chemical variation between multiple pulses of recharge into the system from a heterogeneous source or variable degrees of partial melting. Similar trace element patterns for samples from the WRP and RM are consistent with a cogenetic magmatic history, which can be further substantiated by identifying cogenetic units within each of the SiO_2 – TiO_2 groups.

Cogenetic Volcanic and Plutonic Phases

For each of the four SiO_2 – TiO_2 groups, trace elements paired with $^{206}Pb/^{238}U$ ages were used to identify cogenetic volcanic and plutonic units. Relatively compatible and incompatible trace elements were both used to correlate volcanic and plutonic units specifically because they behave differently during petrogenetic processes (i.e., magma mixing, fractional crystallization, and assimilation). One pair of relatively compatible and one pair of relatively incompatible elements are chosen based on their similar distribution coefficients, which leads to similar behavior during petrogenesis and results in similar ratios in cogenetic rocks. Another criterion for selection is that the elements show little to no evidence of mobility. Within all four groups, Rb, Ba, K, Na, and P have the largest amount of variation, which is a reflection of the mobility of these elements during metasomatism; hence, these elements are not used in correlations. The incompatible trace elements with the least amount of variation included in both the new and compiled data are Th, U, La, and Ce. Similarly, the more compatible trace elements that meet these requirements are Sm, Nd, Eu, Ti, Yb, and Lu (Figure 10). Of these elements the pairs that are most similar in their distribution coefficients based on the GERM database are Sm and Nd and U and Th respectively. Therefore, these pairs (Sm/Nd and U/Th) are used to for correlations between the volcanic and plutonic suites.

Correlations take into account some variation in U/Th, and Sm/Nd as is expected between volcanic and plutonic equivalents during differentiation by fractional crystallization. For mafic rocks, 1 to 20% differentiation by fractional crystallization is not uncommon (Wilson, 1989) and values of between 5 and nearly 80% are possible for felsic systems (Wilson, 1989; Bergantz, 2004). For mafic rocks, differentiation by fractional crystallization rarely involves more than 25-30% (Wilson, 1989) because once mafic magmas contain more than 50% crystals the framework will lock up and not allow the flow of differentiated magmas (Barth, et al., 1994). Therefore, it is unusual for fractional crystallization models to require more than 25-30% differentiation to produce chemical variability mafic systems. In contrast, felsic magmas may, in some cases, produce crystal frameworks that occupy 80% of the volume of a magma. Liquids squeezed from these frameworks can result in up to 80% fractional crystallization (Bergantz, 2004). Considering that 80% variation would correlate nearly all coeval phases of the RM volcanic and WRP samples, a more conservative limit of 25% was chosen for correlations in order to identify only the most reasonable cogenetic rock units. As a test, 20 and 30% variation were also examined; this yielded very similar results to the conservative 25% limit and only changed the outcome of the correlations in a few instances.

Volcanic and plutonic samples are considered cogenetic if they are coeval, within the same SiO_2 – TiO_2 group, and within 25% of each other in both Sm/Nd and U/Th. An example of how cogenetic pairs were selected is in SiO_2 – TiO_2 group 3 (Figure 15). Sample AP346 from an andesite flow of the Powerline Road section of the RM volcanic suite is coeval with plutonic samples 24, 56, 60, and 73, all of which are monzodiorites of Wilson Ridge. Of these four coeval samples, 24, 56, and 73 are within 25% of the total variation in Sm/Nd of sample

AP346 and samples 56 and 60 are within 25% of the total variation in U/Th of sample AP346. Sample 56 is the only plutonic sample in SiO_2 Group 3 that is coeval with sample AP346 and within 25% of the variation in both Sm/Nd and U/Th. Based on this reasoning, the andesite flow AP346 from the Powerline Road section of the RM volcanic suite is cogenetic with sample 56 from the monzodiorite of Wilson Ridge.

Applying these criteria and techniques to samples in SiO_2-TiO_2 group 1, the RM stock and rhyolite domes and flows of the Powerline Road section are cogenetic with high silica quartz monzonite and felsic dikes in the WRP (Tables 7 and 9; Figure 16; Appendix D). In group 2 another phase of the RM stock, dacite flows, and hypabyssal dacite sills in the RM are cogenetic with quartz monzonite of the Teakettle Pass suite in the WRP (Tables 7 and 10; Figure 17; Appendix D). From group 3, andesite flows and an andesite intrusion in the RM are cogenetic with the monzodiorite of Wilson Ridge and an intermediate dike that cuts the Teakettle Pass suite (Table 8 and 11; Figure 18; Appendix D). In group 4, intrusions of the Horsethief Canyon diorite of the WRP are linked to andesite flows in the RM (Tables 8 and 12; Figure 19; Appendix D). Because these correlations are based on the SiO_2-TiO_2 groups, lithology, age, and chemistry they provide robust correlations of specific units of the RM with those of the WRP.

Table 6: River Mountains Volcanic and Wilson Ridge Pluton Equivalent Samples Groups 1 and 2*

Group 1

River Mountains:		RP349 (flow)	R2 (stock)	GR (dome)	RP348 (flow)	R33 (hypabyssal)
Wilson Ridge:						
(felsic dikes)	46					
(q. monzonite)	W38	x	x		x	
(felsic dikes)	W39			x		
(felsic dikes)	W30	x		x	x	x
(hypabyssal)	W27					
(felsic dikes)	68					
(q. monzonite)	W26			x		
(q. monzonite)	W05	x		x	x	
(q. monzonite)	W06					
(felsic dikes)	37					
(hypabyssal)	W14					

Group 2

River Mountains:		DP271 (flow)	R24 (stock)	R0725 (stock)	DP220 (flow)	DP223 (flow)	DB229 (flow)	R31 (hypabyssal)	R03 (stock)	R32 (hypabyssal)
Wilson Ridge:										
(q. monzonite)	92									
(q. monzonite)	32		x				x	x		x
(q. monzonite)	W09		x				x	x		x
(q. monzonite)	42									

*Cogenetic samples are designated by (x).

Table 7: River Mountains Volcanic and Wilson Ridge Pluton Equivalent Samples Groups 3 and 4*

Group 3

River Mountains:		DR272 (stratocone)	AP222 (flow)	AP346 (flow)	AP230 (flow)	AP347 (flow)	R34 (intrusion)	DR229 (stratocone)
Wilson Ridge:								
(monzodiorite)	59							
(monzodiorite)	54							
(intermediate dike)	60							
(monzodiorite)	W41							
(monzodiorite)	44							
(monzodiorite)	50							
(q. monzodiorite)	56			x				
(intermediate dike)	24				x		x	
(q. monzodiorite)	73				x			

Group 4

River Mountains:		PB219 (flow)	PB218 (flow)	AB226 (flow)
Wilson Ridge:				
(hypabyssal)	W29			
(diorite)	W36			x
(diorite)	W21			
(diorite)	W42			
(mafic dike)	70			
(diorite)	45			x
(diorite)	34			
(mafic dike)	52			

*Cogenetic samples are designated by (x).

Table 7: SiO_2 – TiO_2 Group 1 Equivalent Samples and Criteria*

phase (sample)												
River Mountains:	stock (R02)			rhyolite dome (GR)			rhyolite flow (RP348)			hypabyssal sill (R33)		
Wilson Ridge:	Age	U/Th	Sm/Nd	Age	U/Th	Sm/Nd	Age	U/Th	Sm/Nd	Age	U/Th	Sm/Nd
felsic dike (46)				x	x		x	x		x	x	
q. monzonite (W38)	x	x	x	x	x	x	x	x	x	x	x	
felsic dike (W39)	x		x	x	x	x	x		x	x		x
felsic dike (W30)				x	x	x	x	x	x	x	x	x
hypabyssal (W27)		x	x			x		x	x		x	x
felsic dike (68)				x	x					x		
q. monzonite (W26)	x		x	x	x	x	x		x	x		x
q. monzonite (W05)	x		x	x	x	x	x	x	x	x	x	
q. monzonite (W06)				x			x	x				
felsic dike (37)				x			x			x		
hypabyssal (W14)		x	x			x		x	x		x	x

River Mountains:	rhyolite flow (RP349)		
Wilson Ridge:	Age	U/Th	Sm/Nd
felsic dike (46)	x	x	
q. monzonite (W38)	x	x	x
felsic dike (W39)		x	
felsic dike (W30)	x	x	x
hypabyssal (W27)		x	x
felsic dike (68)	x	x	
q. monzonite (W26)	x		x
q. monzonite (W05)	x	x	x
q. monzonite (W06)	x	x	
felsic dike (37)	x		
hypabyssal (W14)		x	

*Gray fields highlight cogenetic samples, which have positive correlations (x) in all three criteria.

Table 8: SiO_2 – TiO_2 Group 2 Equivalent Samples and Criteria*

phase (sample)												
River Mountains:	dacite flow (DP271)			stock (R24)			stock (R25)			dacite flow (DP220)		
Wilson Ridge:	Age	U/Th	Sm/Nd	Age	U/Th	Sm/Nd	Age	U/Th	Sm/Nd	Age	U/Th	Sm/Nd
q. monzonite (92)	x	x		x	x		x	x		x	x	
q. monzonite (32)	x		x	x	x	x	x	x		x		x
q. monzonite (W09)	x		x	x	x	x	x	x		x		x
q. monzonite (42)	x			x			x	x		x		x

River Mountains:	dacite flow (DP223)			dacite flow (DB229)			hypabyssal sill (R31)			stock (R3)		
Wilson Ridge:	Age	U/Th	Sm/Nd	Age	U/Th	Sm/Nd	Age	U/Th	Sm/Nd	Age	U/Th	Sm/Nd
q. monzonite (92)	x	x		x	x		x	x		x		
q. monzonite (32)	x		x	x	x	x	x	x	x	x		
q. monzonite (W09)	x			x	x	x	x	x	x	x		
q. monzonite (42)	x		x	x			x			x		

River Mountians:	hypabyssal (R32)		
Wilson Ridge:	Age	U/Th	Sm/Nd
q. monzonite (92)	x	x	
q. monzonite (32)	x	x	x
q. monzonite (W09)	x	x	x
q. monzonite (42)	x		

*Gray fields highlight cogenetic samples, which have positive correlations (x) in all three criteria.

Table 9. SiO_2 – TiO_2 Group 3 Equivalent Samples and Criteria*

phase (sample) River Mountains:	stratocone flow (DP272)			andesite flow (AP222)			andesite flow (AP346)			andesite flow (AB230)		
Wilson Ridge:	Age	U/Th	Sm/Nd	Age	U/Th	Sm/Nd	Age	U/Th	Sm/Nd	Age	U/Th	Sm/Nd
monzodiorite (59)		x	x			x		x	x			x
monzodiorite (54)		x	x									x
intermediate dike (60)	x		x	x			x	x		x		x
monzodiorite (W41)												
monzodiorite (44)												
monzodiorite (50)												
monzodiorite (56)	x		x	x			x	x	x	x		x
intermediate dike (24)	x			x			x		x	x	x	x
monzodiorite (73)	x			x			x		x	x	x	x

River Mountains:	andesite flow (AP347)			dacite intrusion (R34)			dacite flow (DR229)		
Wilson Ridge:	Age	U/Th	Sm/Nd	Age	U/Th	Sm/Nd	Age	U/Th	Sm/Nd
monzodiorite (59)		x						x	x
monzodiorite (54)								x	x
intermediate dike (60)	x	x		x			x		x
monzodiorite (W41)									
monzodiorite (44)									
monzodiorite (50)									
monzodiorite (56)	x	x		x	x		x		x
intermediate dike (24)	x			x	x	x	x		
monzodiorite (73)	x			x	x		x		x

*Gray fields highlight cogenetic samples, which have positive correlations (x) in all three criteria.

Table 10. SiO_2 – TiO_2 Group 4 Equivalent Samples and Criteria*

phase (sample)									
River Mountains:	andesite flow (PB219)			andesite flow (PB218)			andesite flow (AB226)		
Wilson Ridge:	Age	U/Th	Sm/Nd	Age	U/Th	Sm/Nd	Age	U/Th	Sm/Nd
hypabyssal sill (W29)						x			x
diorite (W36)	x			x	x	x	x	x	x
diorite (W21)	x			x	x		x	x	
diorite (W42)	x			x			x	x	
mafic dike (70)	x			x			x	x	
diorite (45)	x			x		x	x	x	x
diorite (34)	x			x			x	x	
mafic dike (52)	x			x		x	x	x	

[redacted]

*Gray fields highlight cogenetic samples, which have positive correlations (x) in all three criteria.

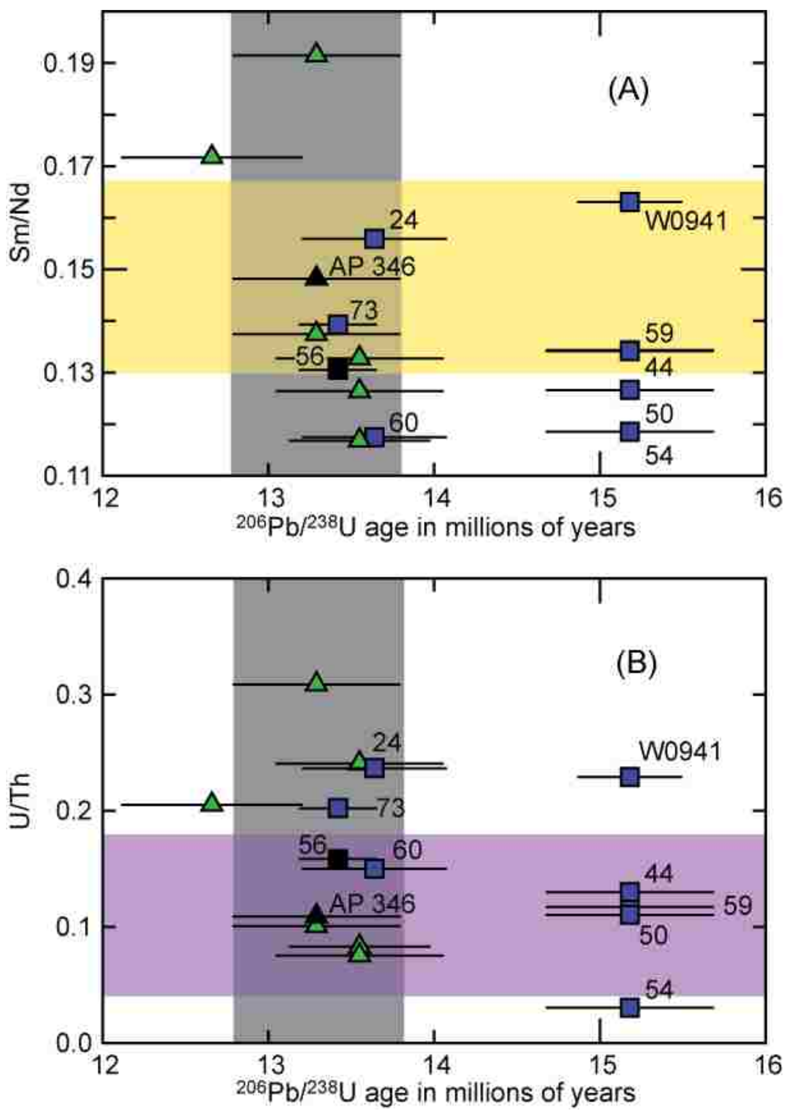


Figure 15, An example of the technique used to correlate volcanic and plutonic samples focused on an andesite flow from the RM (AP346; black triangle). 206Pb/238 U age vs. Sm/Nd (A) and U/Th (B) plots for SiO_2-TiO_2 group 3 (55-65 wt. % SiO2). Triangles represent RM samples, squares represent WRP samples and horizontal lines reflect the uncertainty associated with the age of each sample. WRP samples that overlap in age (gray vertical field) with AP346 include 24, 56, 60, and 73. Of these age equivalent samples only 24, 56, and 73 are within 25% of the groups variation in SM/Nd (horizontal yellow field) from sample AP346. Of these three, only 56 is also within 25% of the groups U/Th variation (horizontal purple field) from AP346. Therefore, the only WRP sample in this group that is cogenetic with the andesite flow AP346 is the monzodiorite 56 (black square).

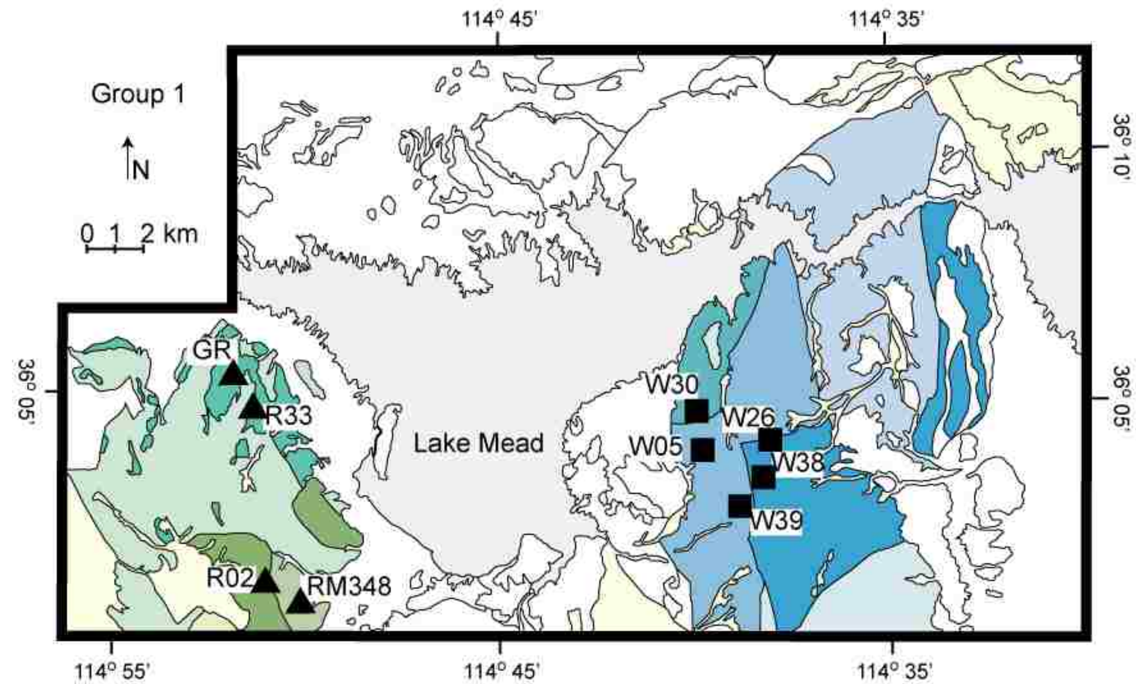


Figure 16, Stars denote the approximate location of SiO_2-TiO_2 group 1 equivalent units in the RM with those in the WRP (Table 9). These include the RM stock (R02), rhyolite dome (GR), rhyolite flow (RM348), hypabyssal sill (R33) which correlate with WRP felsic dikes (W39, W30, 68, 37) and quartz monzonites (W38, W26, W05).

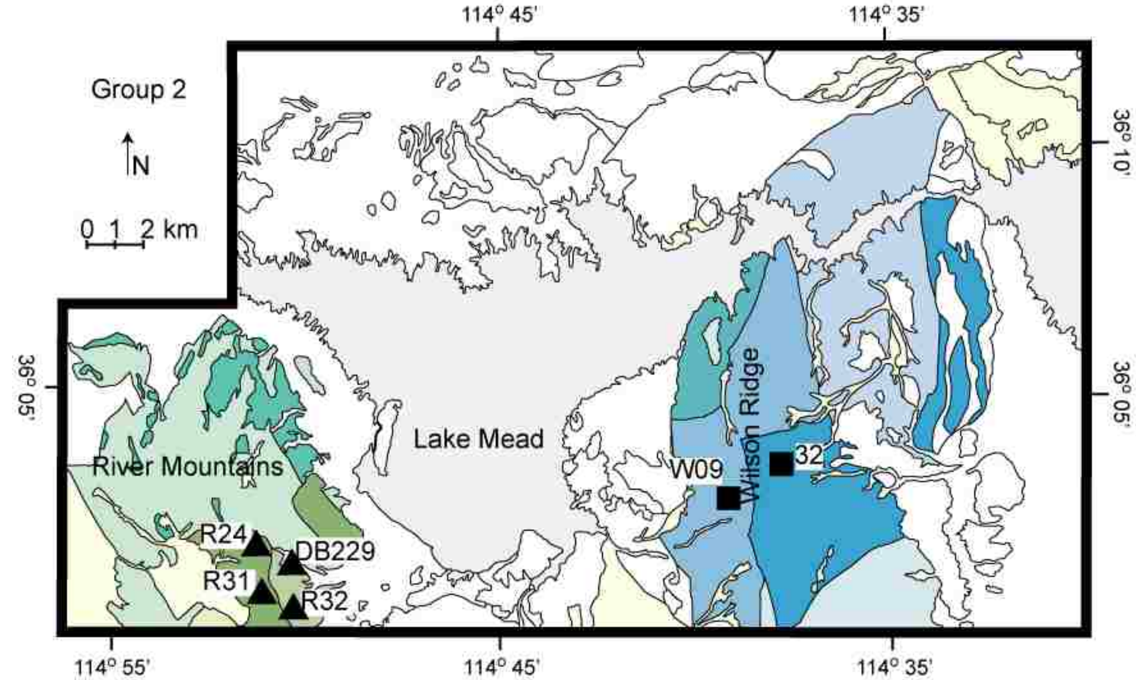


Figure 17, Stars denote the approximate location of SiO_2-TiO_2 group 2 equivalent units in the RM with those in the WRP (Table 10). In the RM these include RM stock (R24), dacite flow (DB229), hypabyssal dacite sills (R31 and R32), which correlate with quartz monzonites of the WRP (32, W09).

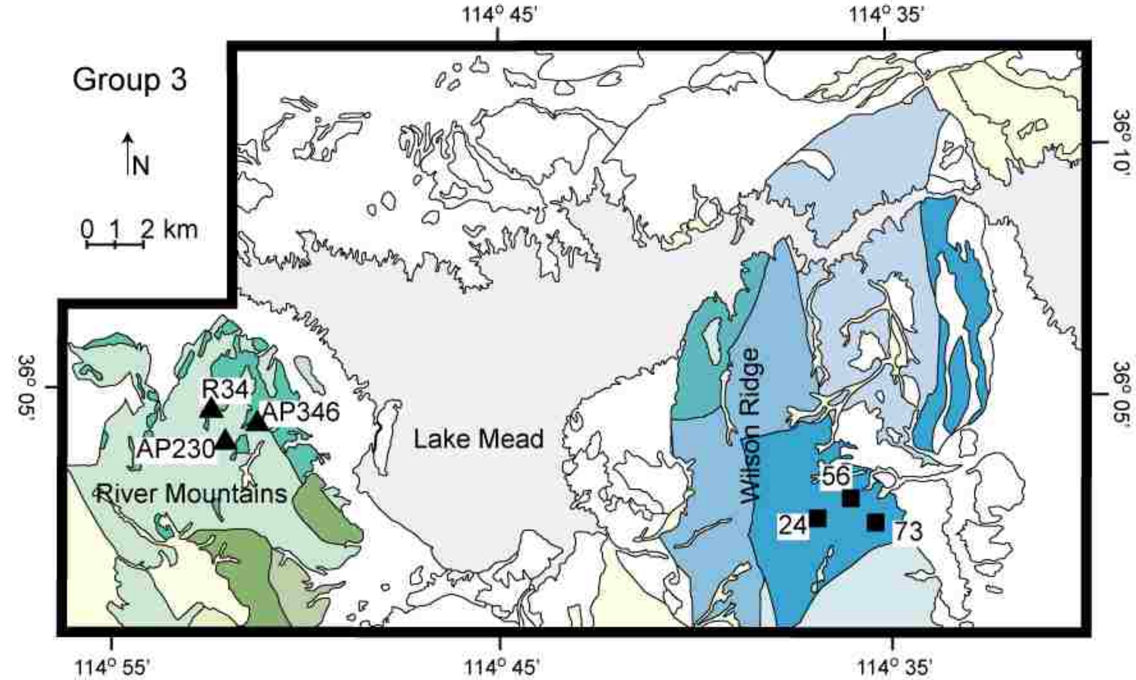


Figure 18, Stars denote the approximate location of SiO_2-TiO_2 group 3 equivalent units in the RM with those in the WRP (Table 11). In the RM these include andesite flows (AP346 and AP 230) and a dacite intrusion (R34) that correlate with quartz monzodiorites (56 and 73) and an intermediate dike (24).

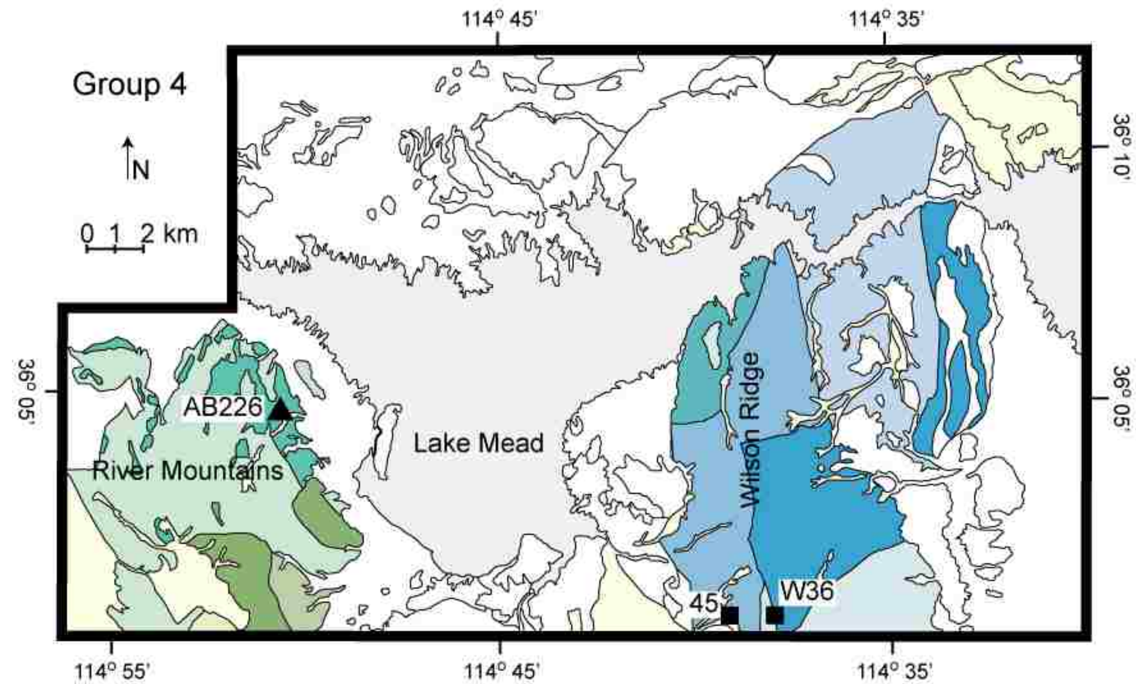


Figure 19, Stars denote the approximate location of SiO_2-TiO_2 group 3 equivalent units in the RM with those in the WRP (Table 12). In the RM these include an andesite flow (AB226) that correlates with the Wilson Ridge diorites (45, W36).

Why do some igneous systems produce both volcanic and plutonic suites?

The debate over the relationship between volcanic and plutonic rocks is ongoing (Marsh, 1981; Marsh, 1988, Marsh, 1990; Sparks, 1990; and Bachmann et al., 2007). In the case of the RM-WRP system, the pluton represents the magma chamber for the volcanic field; thus, clearly defining a cogenetic igneous system. In other areas this link may not exist because either the volcanic or extensive plutonic suite did not form, or the link may not be clearly established because of preservation and exposure. An important question, therefore, is what factors favor the formation of cogenetic volcano-plutonic systems in extensional environments.

Based on the current study of the RM-WRP, the rate of magma injection, the rate of extension, and the presence of a boundary layer such as a density or viscosity contrast (Figure 19) may be responsible for determining which igneous systems produce volcanic and plutonic suites in extensional environments. The ascent of magma is directly related to the availability of pathways provided by extension related fracturing and the density contrast between these magmas and the country rock they encounter (Clemens and Mawer, 1992; Kent et al., 2010). Igneous systems in regimes with low rates of extension lack the necessary pathways for magma to rise and will therefore pond at deeper levels. Likewise, magmas will stall if their upward migration is impeded by a boundary layer, such as a lithologic contact or density contrast (Martino and Frezzotti, 2010). If rising magma stalls beneath a boundary layer, then low injection rates may allow for the gradual downward displacement of country rock through subsidence and growth of relatively thick magma chambers (Cruden 1998; Wiebe and Collins, 1998; Miller and Paterson, 1999; Glazner et al., 2004). In both these cases, low injection rate and impeded upward migration due to a boundary layer, magma is unlikely to reach shallow enough levels to vent to the surface. Thus, for volcanic suites to form, their source magmas must have necessary pathways, either in the form of fractures formed by high rates of extension or self-generated fractures produced by buoyant ascent associated with high rates of magma injection and internal magmatic overpressure (Robin and Cruden, 1994; Hogan and Gilbert, 1995; Cruden, 1998; Petford et al., 2000). In extreme cases of rapid extension and injection, magmas may ascend through the crust and erupt without leaving large (tens of cubic kilometers) residual plutonic suites behind. For example, lavas of the Portrillo Volcanic Field in New Mexico show little geochemical evidence for interaction with the crust during ascent (Thompson et al., 2005). Similarly, hot and H_2O- or CO_2- rich magmas are extremely buoyant and may rise rapidly through the crust without stalling or ponding (Annen et al., 2006).

In order for ascending magmas to form both volcanic and plutonic suites they must, like the RM-WRP, encounter conditions that promote both stalling of magmas and venting of magmas to the surface. In the case of the RM-WRP, rising magmas may have stalled at the Tertiary-Precambrian contact at a depth of about 4 km, as mapped by Anderson (1971). This boundary also represents a density contrast between the 4 km thick section of Tertiary basalt and andesite from Precambrian basement. In detail, the contact is quite complex and includes a thin Paleozoic carbonate section, Peach Springs tuff, and a conglomerate of variable thickness. During the formation of the RM-WRP, the first magma injections stalled at the 4-km density contrast producing a set of basalt and rhyolite sills. The sills may have reinforced the density barrier against which additional magma batches ponded. With no pathways to the surface, ascending magmas continued to pond, building downwards a large mass of quartz monzonite. Either by increased rates of injection and/or extension, the large and buoyant mass of quartz monzonite domed and broke through the 4-km deep barrier creating the RM stock or equivalent dacite flows. Gans and Bohrson (1998) demonstrated that at peak extension in the CREC magmatism began waning. Consequently we suggest that with continued extension, the larger mass of intermediate magma cooled rapidly. Fracturing of this now solid mass returned the system to conditions that allowed little interaction between injections, preserving bimodal compositions in the form of dikes in the WRP (Larsen, 1989; Feuerbach, 1999) and basalt flows and rhyolite domes in the RM (Smith, 1982 and 1984).

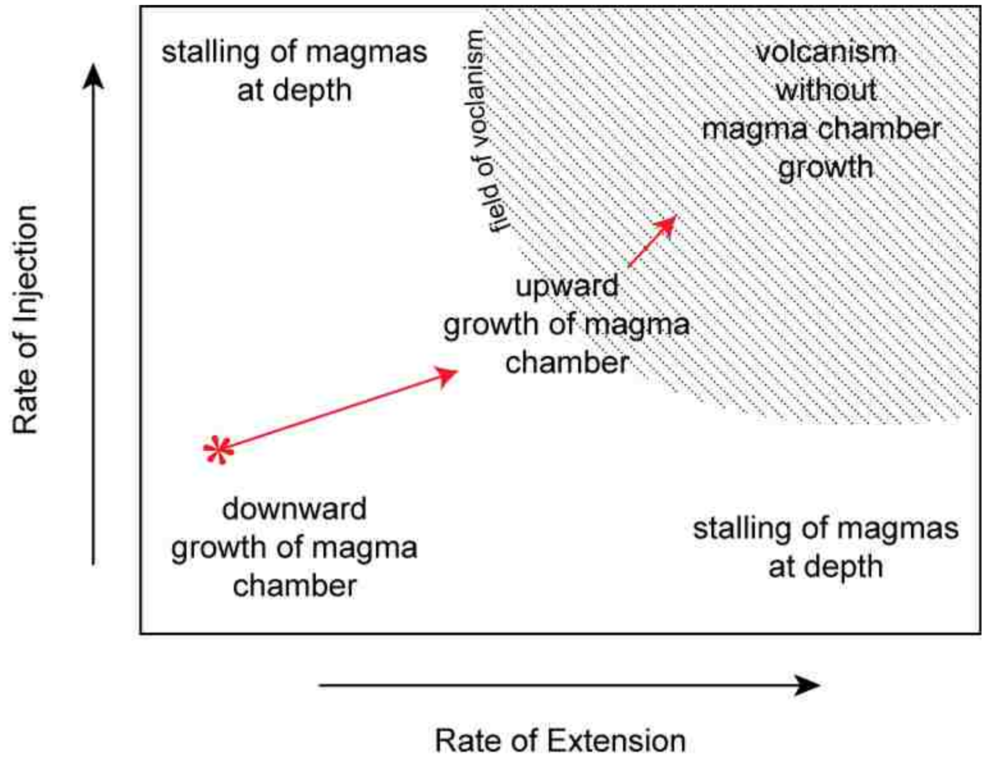


Figure 20, Rate of extension and injection, in an extensional setting, as two of the three factors that influence the style of growth of igneous systems. The third factor is a lithologic boundary which can stall magmas forcing lateral growth of the system, or in the case of slow injection rates, promote downward growth of the pluton. The stipled area represents conditions that produce volcanism. In order to produce both volcanic and plutonic suites, the system must encounter the field of volcanism without extreme rates of both extension and injection. The rate of extension vs. injection path of the RM-WRP is denoted by the red arrows. Most of the early RM-WRP magmas stalled because of a density boundary allowing for downward growth of the magma chamber and production of intermediate magmas. With increased rates of extension and possibly injection the system began expanding upwards into its hypabyssal cap and into the field of volcanism.

Conclusions

A temporal and geochemical link between extrusive rocks in the RM volcanic suite (RM) and intrusive rocks in the (WRP) has been established by using overlapping zircon ages, major and trace element chemistry, and $^{87}Sr/^{86}Sr$ and $^{143}Nd/^{144}Nd$. The geochemical data from the RM and WRP are statistically correlative, based on student's t-tests, defining tighter trends than the regional data set for igneous rocks. Four sets of volcanic – plutonic equivalent units were identified by using $^{206}Pb/^{238}U$ zircon ages in concert with variability in the ratios of U/Th and Sm/Nd. Our findings emphasize the necessity of using multiple analytical methods to correlate intrusive and extrusive igneous systems and therefore regional data sets.

Using the RM-WRP as a proxy, we suggest that three major factors, i.e., the rate of extension, the rate of injection, and the presence of a boundary layer, determine if shallow magmatic systems in extensional environments produce both volcanic and plutonic rock suites. In the case of the RM-WRP the contact between Tertiary and Precambrian rocks acts as a density boundary, against which early RM-WRP magmas stalled allowing for a large intermediate mass to form. As this main phase of the system formed, it eventually became buoyant enough to rise through the density boundary to create both a quartz monzonite stock and extensive dacite eruptions in the RM. The plutonic equivalent of this dacite is quartz monzonite of the main phase of the WRP.

CHAPTER THREE

EXPANDING THE DEFINITION OF IGNEOUS SYSTEMS: EMPLACEMENT OF THE LINKED RIVER MOUNTAINS VOLCANIC SUITE AND WILSON RIDGE PLUTON

Abstract

The Miocene Wilson Ridge pluton (WRP) and River Mountains volcanic suite (RM) in the northern Colorado River extensional corridor (CREC) have attributes explainable by both of the current paradigms for emplacement of igneous systems: diapiric ascent of an active magma body and incremental emplacement. Magma comingling fabrics in the WRP (i.e. mafic enclaves, embayed phenocrysts with resorbed cores, stoped blocks) and geochemical modeling suggest that magma mixing produced intermediate magma and are consistent with an active magma chamber. In contrast, bimodal hypabyssal sills and dikes as well as recrystallized feldspars are consistent with incremental emplacement of the system. Neither of these emplacement mechanisms account for periodic venting of the system to create a cogenetic volcanic suite like those of the CREC. We describe a new four stage model for the emplacement of igneous systems based on observations from the RM-WRP, which involves both inflation of an active magma body and incremental emplacement mechanisms. During stage 1 bimodal magmas were emplaced incrementally at shallow levels. Accumulation and comingling of additional bimodal injections occurred during stage 2. Stage 3 involved thorough mixing of accumulated intermediate magmas and inflation of a magma chamber. Finally

during stage 4, the system was modified by syn-emplacement subsolidus crystallization and hydrothermal alteration.

Introduction

The study of igneous systems with both volcanic and plutonic suites is limited by the level of their exposure, which in most cases does not include both suites. Expanding the definition of an igneous system to include both the volcanic and plutonic suites results in a more complete model of how igneous systems are emplaced and evolve. There are two paradigms for the growth and emplacement of plutons. The more traditional of these mechanisms involves emplacement of plutons, on the scale of several cubic kilometers, in the upper crust by ascent of magma chambers (Daly, 1933; Cloos, 1941; Pitcher 1979; Miller and Paterson, 1999). Another explanation describes building of intrusive suites through dike fed injections (Clemens and Mawer, 1992; Cruden, 1998; Baker 1998; Petford et al., 2000) and 'crack seal' emplacement (Bartley et al., 2007; Glazner et al., 2004). We argue that aspects of both of these mechanisms are involved in the growth of a single system and suggest that a new comprehensive model is necessary to explain the growth of an igneous system that includes both volcanic and plutonic suites. The River Mountains volcanic suite (RM) and the Wilson Ridge pluton (WRP) in the Lake Mead area represent a cogenetic igneous system and provide an excellent natural laboratory to construct this new model.

The River Mountains – Wilson Ridge pluton (RM-WRP) link was first suggested by Smith (1982) and further verified by mapping (Smith, 1984; Larsen 1989; Feuerbach, 1986), studies of regional structure (Weber and Smith 1987; Beard et al., 2007), geochronology (see Tables 1, 2 and 3, Chapter 2), and trace and isotope geochemistry (Chapter 2). This paper presents a new four-stage model for the evolution of the RM-WRP, which combines elements of the incremental emplacement and diapiric ascent models. The new model may be applied generally to explain the emplacement of igneous systems of a similar type worldwide.

Geologic Background

The RM is composed of mainly dacite, with lesser amounts of andesite, basalt and rhyolite. The RM are composed of at least four volcanic sections that were juxtaposed by mid-Tertiary strike-slip faulting related to the left-lateral Lake Mead fault system (Smith, 1982; 1984). These four volcanic sections (Figures 1 and 2, Chapter 2), as mapped by Smith (1982 and 1984), are the 1) Powerline Road, 2) RM stratovolcano and stock, 3) Bootleg Wash, and 4) the Red Mountain. The Powerline Road section primarily consists of rhyolite to dacite domes, flows, intrusions and pyroclastic deposits with lesser volumes of basalt and andesite. Dacite associated with the Powerline Road section comprises 70% of the volume of the RM suite. The RM stratovolcano produced a section of andesite and dacite flows (Smith, 1984) some of which are re-interpreted as hypabyssal sills based on their lack of flow-top brecciation and chilled margins against the rocks above them in the section. The stratovolcano is cored by the RM quartz monzonite stock and associated radial porphyritic dacite dikes. The stock contains xenoliths of basalt and dolomite up to four meters in diameter that likely represent basement rock incorporated during pluton emplacement. The Bootleg Wash section is composed, from base to top, of andesite flows, volcaniclastic breccia, and flow-banded dacite flows. The Red Mountain section in the southernmost RM includes highly altered andesite and dacite flows, volcaniclastic rocks, and local granitic intrusions.

The WRP, as mapped by Feuerbach (1986), Naumann (1987), Larsen (1989) and this work, consists of five phases: 1) the Horsethief Canyon diorite, 2) monzodiorite of Wilson Ridge, 3) quartz monzonite of the Teakettle Pass suite, 4) a hypabyssal dike and sill complex, and are all cut by 5) late phase rhyolite and basalt dikes (Figures 1 and 2, Chapter 2). The Horsethief Canyon diorite is a coarse-grained intrusion with an outcrop area of approximately 4 km^2 on the southwestern margin of the WRP (Larsen, 1989). It is unfoliated and locally includes pegmatite veins with euhedral hornblende phenocrysts up to 10 cm in length. The monzodiorite of Wilson Ridge, previously considered part of the Teakettle Pass suite by Larsen (1989), is a quartz monzodiorite and monzodiorite intrusion covering roughly 14 km^2 of the southern WRP. The monzodiorite of Wilson Ridge locally displays moderate to strong foliation defined by the alignment of biotite, hornblende, and plagioclase phenocrysts. The Horsethief Canyon diorite was intruded by and incorporated as angular xenoliths in both the monzodiorite of Wilson Ridge and the coarse-grained phase of the Teakettle

Pass suite. The Teakettle Pass suite includes coarse and medium-grained quartz monzonite, which comprises the main phase of the WRP, covering approximately 60 km^2 of outcrop area. In Horsethief Canyon near the southern margin of the WRP, the Teakettle Pass quartz monzonite contains abundant diorite enclaves varying in shape from angular blocks to schlieren. Basaltic enclaves are also common and are interpreted as comagmatic dike fed injections (Larsen, 1989). The most northern exposures of the WRP are dominated by a hypabyssal dike and sill complex, which includes fine to very- fine grained monzonite and quartz monzonite as well as a stack of basalt, lamprophyre, and dacite dikes and sills (Feuerbach, 1986). All phases of the WRP are cut by north-northwest trending late phase dikes, which include basalt, lamprophyre, quartz monzonite, rhyodacite, and aplite (Feuerbach, 1986 and Naumann, 1987).

Methods and Results

Geochronology and Stratigraphy

Zircon grains for U-Pb dating were separated from 5 samples from the RM and 10 from the WRP (see Appendix A for sample locations). After mounting the grains in epoxy and polishing to reveal internal zonation, an Oxford Cathodoluminescence (CL) detector mounted on the JEOL model JXA-8900 electron probe microanalyzer (EPMA) at the University of Nevada, Las Vegas was used to take CL images of these grains. The images were used as a map for targeting the 20 μm beam of the Cameca IMS-1270 secondary ionization mass spectrometer (SIMS) at the ion microprobe facility at the University of

California Los Angeles to quantify $^{206}Pb/^{238}U$. Zircon $^{206}Pb/^{238}U$ data were reduced by using UCLA in-house software ZIPS v3.0.4. Individual SIMS analyses yielded large uncertainties, making the regression ages calculated from Concordia and Terra Wasserberg plots unreliable. Instead, weighted mean ages were calculated by using the statistical add-in (Isoplot 3.0) for Microsoft's Excel program (Ludwig, 2003). Outliers in these data were recognized by using the mean sum of weighted deviations (MSWD) criteria of Wendt and Carl (1991), but were only removed after re-examination of their SIMS analysis demonstrated an additional reason (i.e., high common lead, analyses close to cracks or grain edges) (Table 4). In six samples, bimodal distribution of $^{206}Pb/^{238}U$ ages was prominent on histograms (Appendix B). These bimodal populations were further differentiated by using the UNMIX algorithm (Sambridge and Compston, 1994) provided in the Isoplot 3.0 add-in (Ludwig, 2003). From these distributions, zircon grains were classified as phenocrysts, antecrysts, or xenocrysts (Appendix B). The term phenocryst is used to describe grains that grew in equilibrium with the host magma. Antecryst, as introduced and defined by Wes Hildreth at the 2001 Penrose Conference is a grain that grew in a significantly earlier pulse of magma in the same igneous system. Xenocrystic grains are foreign to the igneous system in which they now reside. In the case of bimodal age distributions, phenocrysts populations were used in age calculations. However, some of the samples with bimodal age distributions have phenocrysts populations too small to yield statistically robust ages (Appendix B).

Zircon ages from the RM-WRP range from 15.18 ± 0.31 (n=13 grains) to 12.95 ± 0.42 Ma (n=4) (Table 4, Chapter 2, Appendix B). The earliest RM-WRP magmas are monzodiorite (15.18 ± 0.31 Ma, n=13 to 14.67 ± 0.27 Ma, n=8) and diorite intrusions (13.96 ± 0.50, n=7 and 13.62 ± 0.30 Ma, n=6) and hypabyssal sills and dikes (14.62 ± 0.42, n=11; 14.49 ± 0.26, n=20; 13.55 ± 0.42 Ma, n=9). Zircon ages from quartz monzonite of the main phase of the pluton span nearly the entire range of the RM-WRP system (13.96 ± 0.46, n=10 to 12.95 ± 0.42 Ma, n=4). The volcanic section began forming as early as 13.55 ± 0.42 Ma (n=9) and continued until at least 12.66 ± 0.54 Ma (n=3). Late phase rhyodacite dikes cut the main phase of the plutonic suite at 13.29 ± 0.38 Ma (n=10) and dacite intrusions cut the volcanic suite at 12.66 ± 0.54 Ma (n=3). Twenty three core and rim pairs were analyzed on individual zircon grains, with up to a 2 m.y. difference noted within individual grains (Appendix B, grain W0721-9).

Whole Rock Geochemistry

New hand specimens of the River Mountains volcanic suite and Wilson Ridge pluton were collected based on previous mapping by Bell and Smith (1980), Thompson (1985), Smith (1986), Naumann (1987), Sewall (1988), Larsen (1989), Mills (1994) (Appendix A). Whole rock samples collected for this study were powdered and analyzed for major and trace elements by X-Ray fluorescence (XRF) at the University of Nevada, Las Vegas and Inductively Coupled Plasma Mass Spectrometry (ICP-MS) by Activation Laboratories (Appendix A). Twenty five of these whole rock samples were also analyzed for $^{87}Sr/^{86}Sr$ and $^{143}Nd/^{144}Nd$ by using thermal ionization mass spectrometry at New

Mexico State University (NMSU) and Kansas University (KU). Data produced at KU were corrected for comparison with the NMSU data by evaluating analyses of the standard NBS987 from both facilities and applying a correction factor. Isotopic data for the NCREC compiled by Metcalf (2004) do not include analyses of standards so no correction was applied for interlaboratory variation. All $^{87}Sr/^{86}Sr$ data, new and compiled, were corrected for ^{87}Sr growth with age following methods described in Faure and Mensing (2005).

Harker diagrams (Figure 13a and 13b) show a continuous range in SiO_2 content varying from 46.01 to 75.27 wt.%. In general, CaO, Fe_2O_3, TiO_2, MgO, MnO, and P_2O_5 concentrations decrease and K_2O and Na_2O increase with increasing SiO_2. The continuous range is also apparent in between 0.707651 to 0.712564 $^{87}Sr/^{87}Sr$ and 0.511896 to 0.512273 $^{143}Nd/^{144}Nd$) (Figure 14, Appendix C). Trace elements (Appendix A) have variable behavior; however, rocks of both the volcanic and plutonic suites display increases in Rb, Ta, Pb, and Th and decreases in Eu, Sr, Tb, Y, and Sc with increasing SiO_2. In contrast, the elements Yb, Zr, Lu, U, Nb, and Hf scatter with no apparent trend. Variations in LREEs, Rb, Ba, and K are likely the result of mobility during metasomatism. This observation was also noted by Smith et al. (1990).

Hydrothermal alteration in the Lake Mead area is expressed by the alteration mineral magnesio-riebeckite and whole rock δO^{18} (Potts, 2000), and major element geochemistry (Figure 12, Chapter 2). Magnesio-riebeckite occurs on fracture surfaces, as veinlets, and is disseminated in rock within the RM, the Wilson Ridge, the Boulder City, and Railroad Pass plutons. Based on whole rock

δO^{18} of altered WRP rocks of +3.68 and +6.97‰ compared to unaltered rocks between +5.72 and +9.23‰, Potts (2000) concluded that alteration in the WRP involved meteoric waters because the trend of altered WRP points toward the field of meteoric water (δO^{18}<-20‰).

Major and trace element geochemistry also indicate alteration. Based on observations by Carmichael et al. (1974), unaltered silicic rocks range in K_2O from 2.5 to 6 wt.% and Na_2O from 2.5 to 6 wt.%. Seventeen of the samples have K_2O/Na_2O outside the range defined by Carmichael et al. (1974) as unaltered; therefore using the above criteria these samples were metasomatized (Figure12).

Plagioclase Feldspar Chemistry

Sixty seven feldspars from six polished thin sections of samples from the RM and eight from the WRP were categorized based on zoning types noted during both petrography (Table 13, Appendix E) and electron microprobe analyses (EMPA)(Appendix F). Type 1 feldspars show oscillatory zoning consistent with diffusion-dependent depletion and re-enrichment of the melt from which the grain is growing (Figures 20 and 21) (Shelly, 1993; Vernon, 2004; Winter, 2010). These grains are subhedral to euhedral in shape with little sign of secondary reactions or replacement. Type 2 feldspars have resorbed cores, reaction rims, embayed boundaries, and or dramatic changes in An# from core to rim that are accompanied by changes in Fe content (Figures 20 and 22). These chemical and textural observations suggest magma mixing was prevalent during the growth of type 2 feldspars (Shelly, 1993; Vernon, 2004; Winter, 2010).

Several of the type 2 grain textures are further complicated by local diffusion related disequilibria (Shelly, 1993; Winter, 2010). Type 3 feldspars display exsolution of perthite and antiperthite, myrmekite, symplectite, seritization, and replacement by pure albite, textures that are evidence of extreme alteration during autometamorphic processes and/or post-magmatic hydrothermal alteration (Shelly, 1993; Means and Park, 1994). EPMA of these grains indicates either highly variable compositions or pure albite (Figures 20 and 23). The three types of feldspars are found in both the River Mountains and Wilson Ridge samples, but type 1 and 2 grains are more common in rocks crystallized from both the early bimodal magmas (diorite intrusives and hypabyssal sills) and the main phase intermediate magmas (monzonite and dacite). Type 3 grains are most common in the late stage dikes, domes and flows.

Table 13: Number of Plagioclase Grains by Type
Wilson Ridge Samples:

Sample	Unit	Stage	Type 1	Type 2	Type 3	Total analyzed
W41	Tmd	early	5	0	4	5
W43	Tid	early	3	5	0	5
W06	Tqmm	mid	5	5	0	5
W05	Tqmm	mid	3	0	3	3
W26	Tqmm	mid	1	3	0	6
W28	Twrd	late	0	0	3	3
W30	Twrd	late	0	0	2	2
W39	Twrd	late	0	1	5	5

River Mountains samples:

Sample	Unit	Stage	Type 1	Type 2	Type 3	Total analyzed
R32	Tra	early	0	0	5	5
R33	Tra	early	0	0	5	5
R03	Trg	mid	6	6	0	6
R25	Trg	mid	0	5	0	5
GR	Tpdu	late	0	2	5	7
R34	Tpd2	late	5	5	0	5

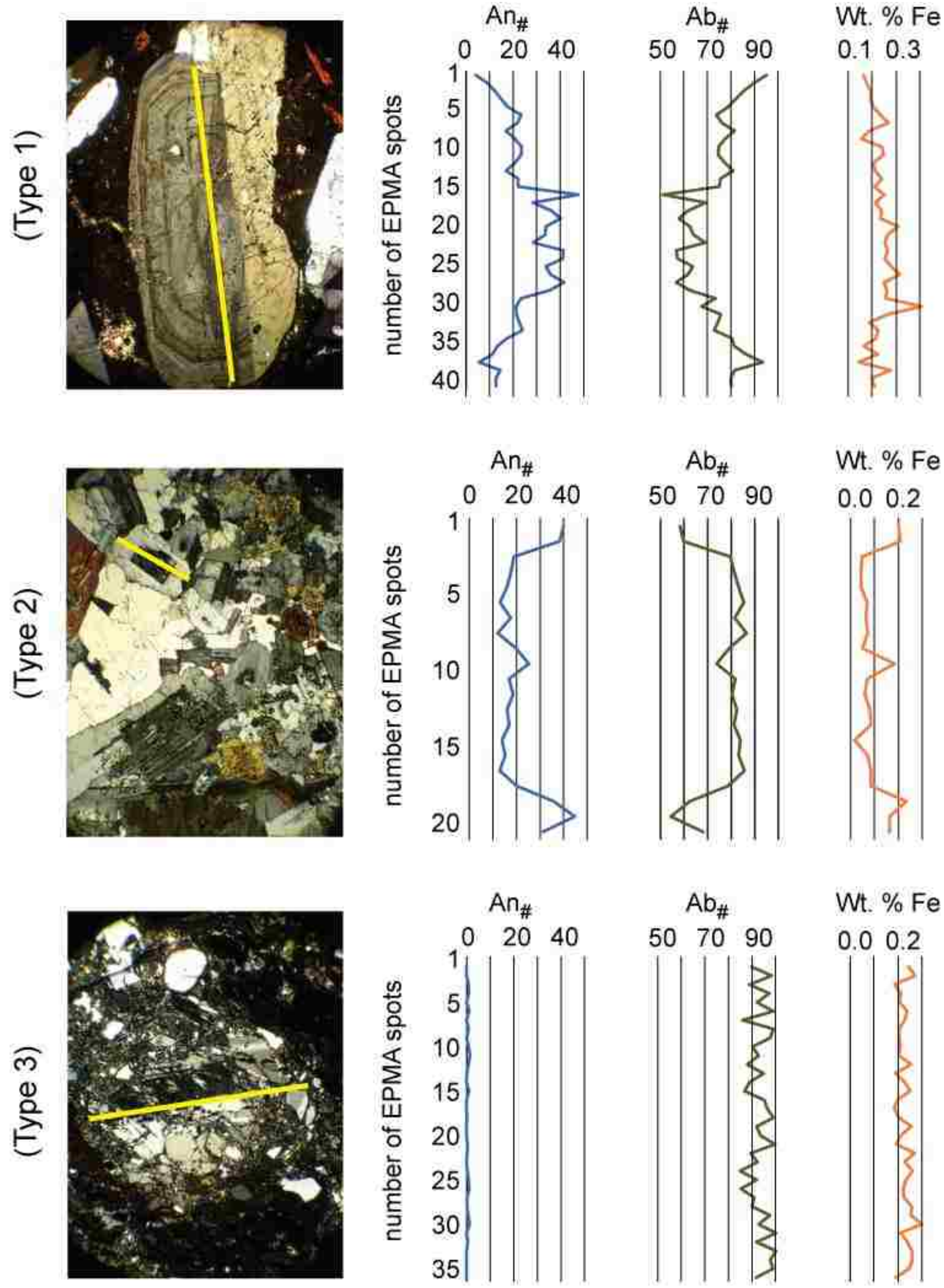


Figure 21, Typical EPMA transects across types 1, 2, and 3 plagioclase grains. Yellow lines represent the location of the transect on photomicrographs. Type 1 grains reflect oscillatory zonation. Type 2 reflect large scale chemical variations. Type 3 grains are pure albite and or have extreme and variable chemical zonation.

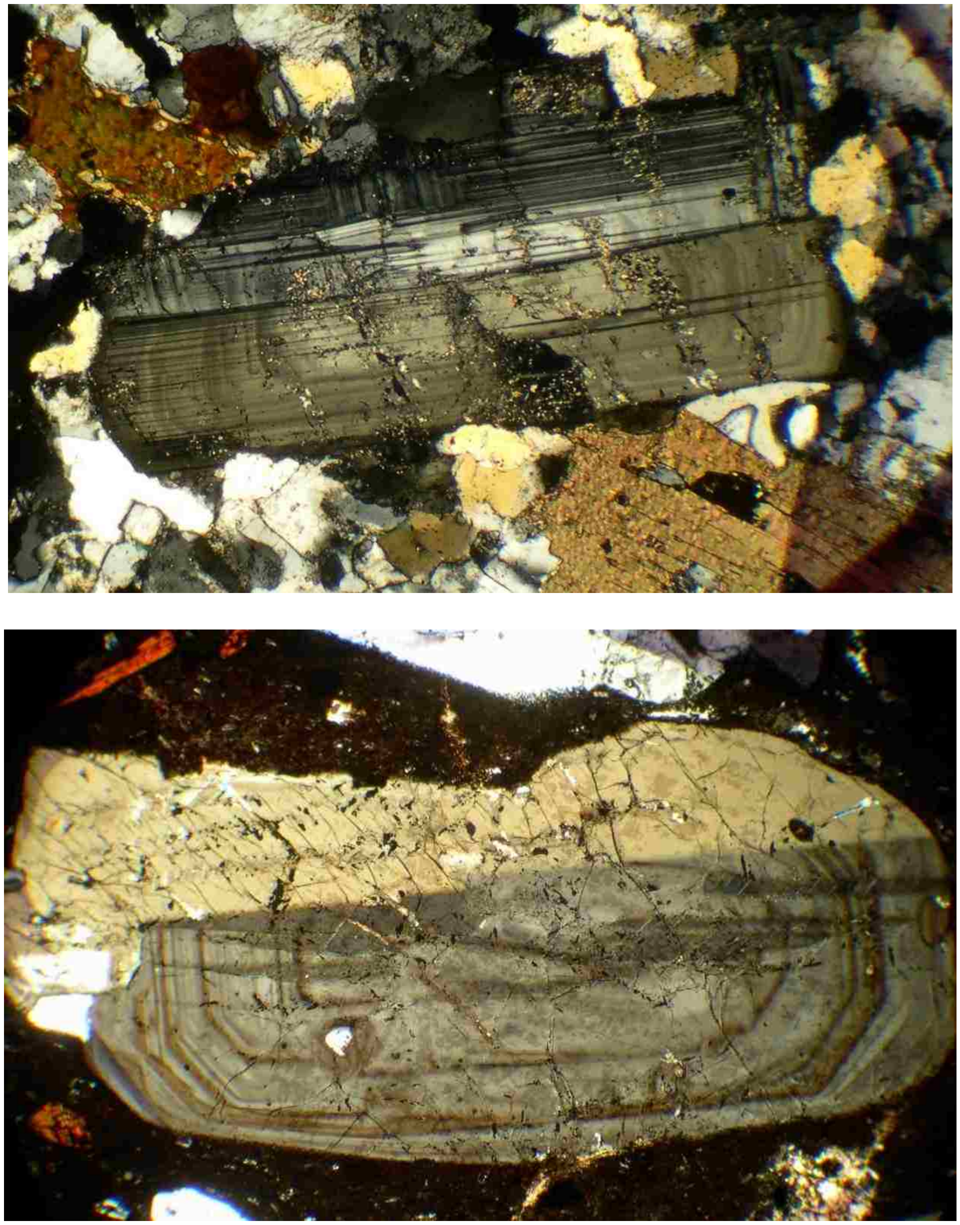


Figure 22, Photomicrographs of type 1 plagioclase feldspars with oscillitory zoning reflecting closed system magmatic changes (sample R25; River Mountains stock and W0726; Wilson Ridge pluton medium grained phase of Teakettle Pass suite).

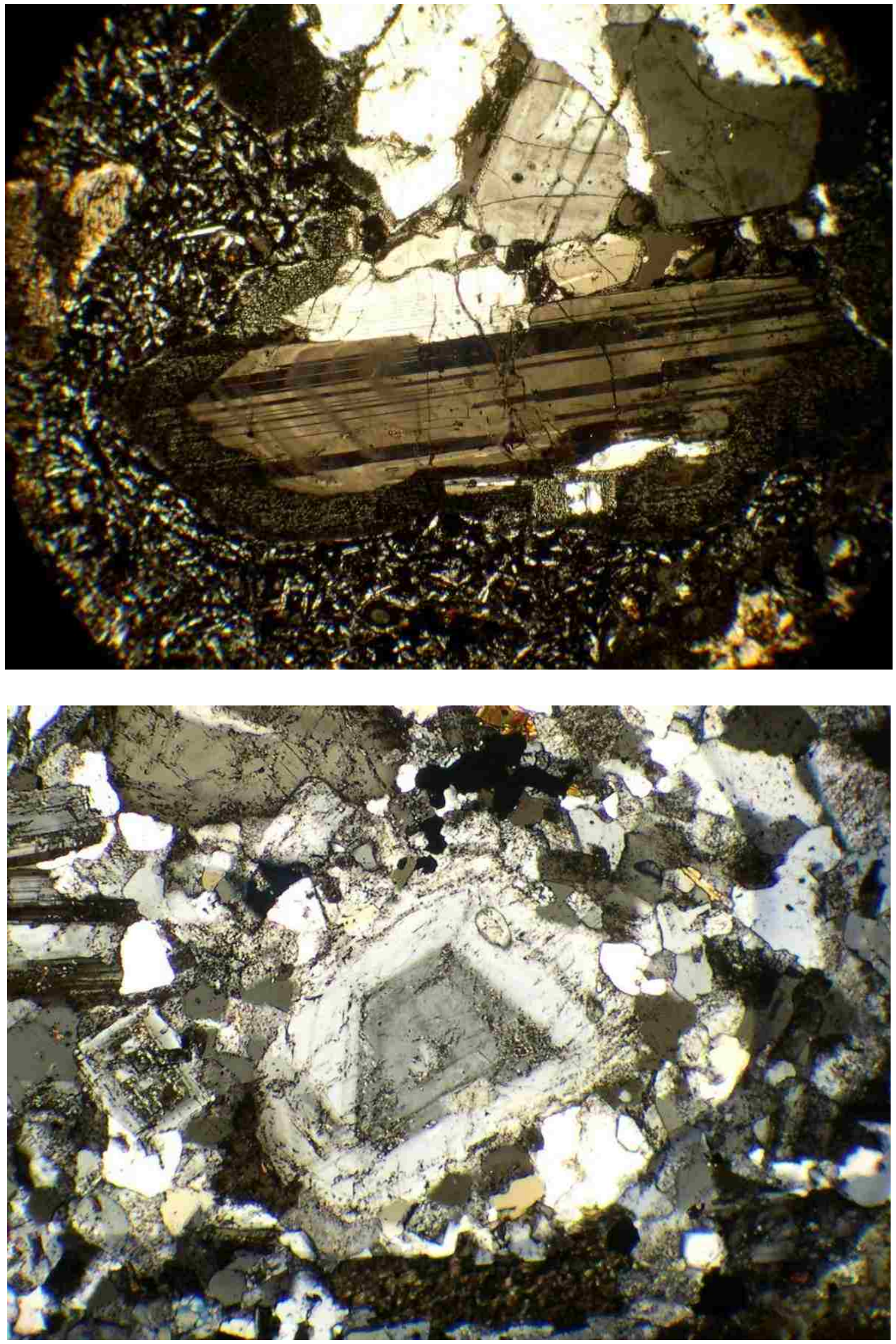


Figure 23, Photomicrographs of type 2 plagioclase feldspars with dramatic changes in An# from rim to core accompanied by changes in Fe contents reflect magma mixing. Samples R34, (RM dacite intrusion) and W076 (WRP quartz monzonite).

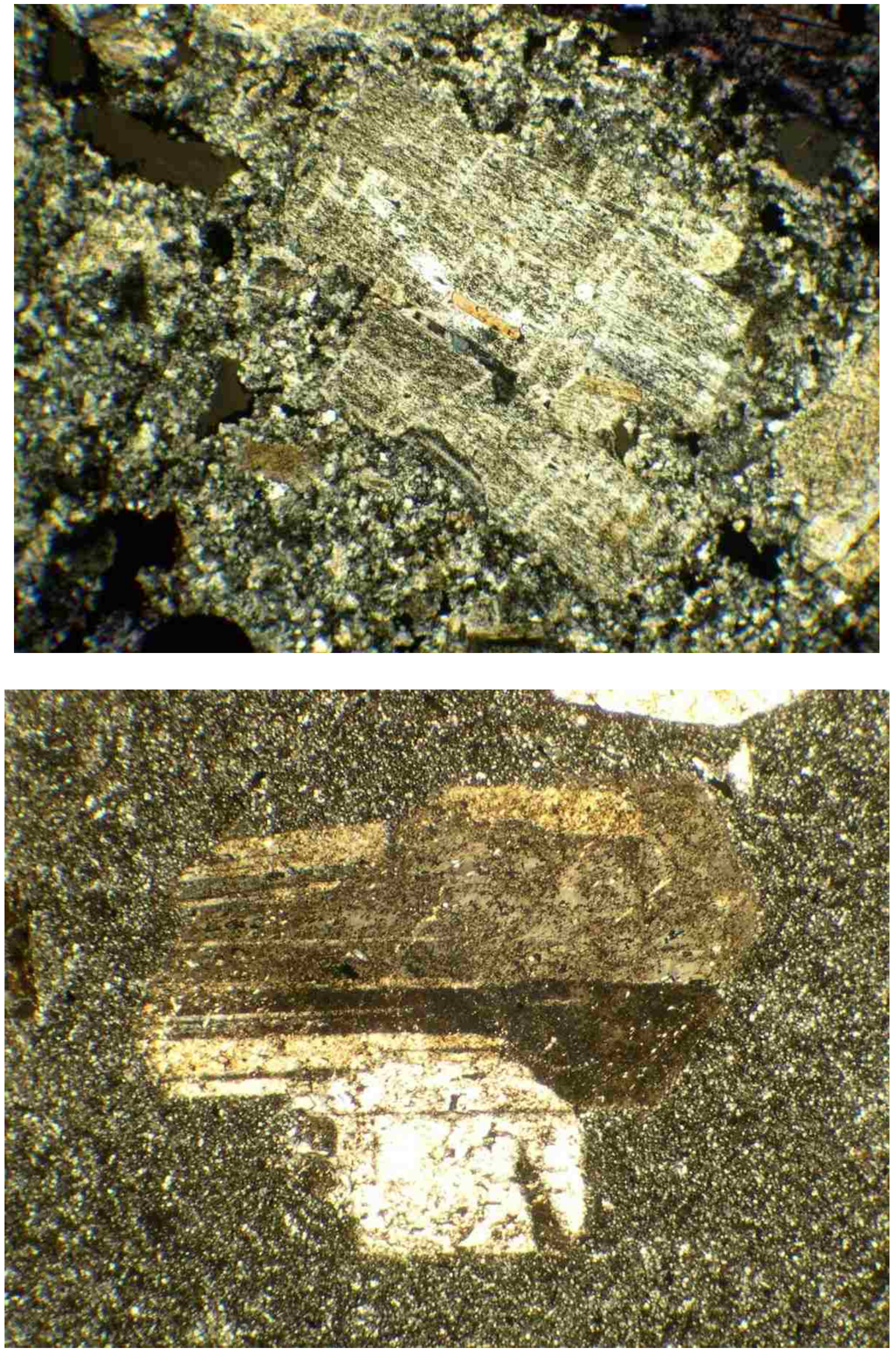


Figure 24, Photomicrographs of type 3 plagioclase feldspars altered to pure albite (R0733, hypabyssal dacite sill of the River Mountains stratovolcano suite; W30, Wilson Ridge pluton late phase rhyodacite dike)

Discussion

Evidence for incremental emplacement

The multi-composition dike and sill complex that makes up the hypabyssal suite is the best evidence for incremental emplacement early in the growth of the RM-WRP. In addition, continued injections represented both by mafic enclaves and late phase dikes demonstrate that the system was fed incrementally throughout its history. Furthermore, the prolonged history of the RM-WRP, from 15.18 to 12.59 Ma, requires continued injection to supply heat and sustain activity (Glazner et al., 2004; Bartley et al., 2007). Finally, RM-WRP type 3 feldspars are recrystallized and overprinted by pure albite (An_0 – An_{15}) (Figure 22, Type 3). This type of sub-solidus modification of feldspars is consistent with "coarsening" as described by Glazner et al. (2004) during incremental growth of a pluton.

Evidence for an active magma chamber

Magma comingling and mixing to produce km^3 of intermediate magma (dacite and monzonite) requires active bodies of magma with vigorous convection for substantial periods of time. These magmatic processes are more likely to occur in systems that were emplaced via diapiric ascent than with incremental emplacement and crack-seal emplacement (Miller and Paterson, 1999). Evidence to support diapiric ascent emplacement models for the RM-WRP includes:

Xenoliths and stoped blocks of Precambrian gneiss and Paleozoic limestone common in the RM-WRP are characteristic of diapiric ascent emplacement of plutons (Miller and Paterson, 1999).

Magma comingling textures are found within both volcanic and plutonic rocks of the RM-WRP at several scales. Basaltic enclaves with diameters of <5 cm with crenulate margins occur along the margins of the pluton, and within some of the dacite flows of the River Mountains stratovolcano. By far, the highest concentration of enclaves occurs at the deepest levels of the pluton where comingling textures are the dominant feature (Larsen 1989, Larsen and Smith 1990). Outcrop and hand sample scale comingling textures at this level in the pluton range from enclaves with chilled and crenulate margins to schlieren. In contrast, mafic enclaves in the interior of the pluton are rare and much smaller (<2 cm). Throughout the RM-WRP, comingling textures on the thin section scale are fairly common and include embayed quartz, feldspars with dissolution surfaces and sieve textures.

Using trace element and isotope data, magma mixing models were developed that suggest mixing between crustal magmas to produce the RM-WRP (Figure 23). The trend of whole rock trace element data for the RM-WRP was reproduced by models of Rb/Sr vs. Ba with mixing between 10 and 60% between mafic and felsic end members. Mixing models using ^{87}Sr / ^{86}Sr vs. SiO_2 and ^{143}Nd / ^{144}Nd vs. ^{87}Sr / ^{86}Sr demonstrate mixing and identify the end members as crustal (Figure 25). The same end member samples were used in all models; however, there is scatter in trace element concentrations and ratios of the mafic samples so several of these could have been chosen to represent model end members. These models agree with the conclusions of Feuerbach (1986) and Larsen (1989) who demonstrated, through textural and geochemical modeling, that magma mixing was the main petrologic process responsible for the evolution of the RM-WRP. Magma mixing on the scale necessary to produce the intermediate rocks of the WRP required a convective magma body of several cubic kilometers (Miller and Paterson, 1999).

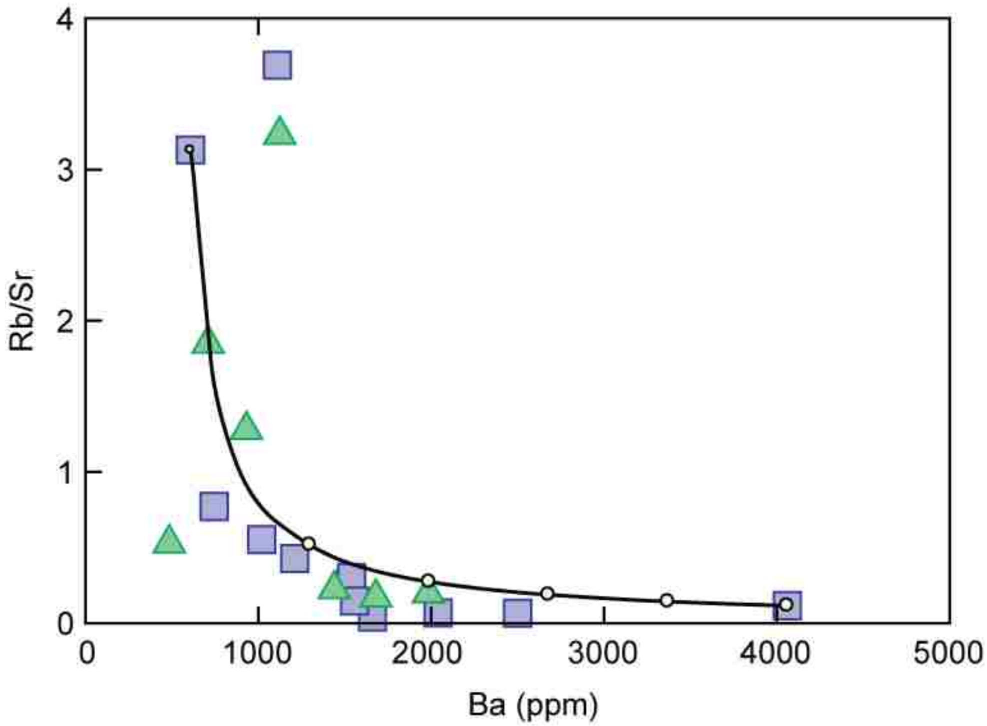


Figure 25, Trace element mixing models for the RM-WRP based on DePaolo (1981) modeled with IgPet for Windows (1998). RM samples are represented by green triangles and WRP samples by blue squares. The hyperbolic curve represents mixing of Rb/Sr vs. Ba between two-end-member compositions. Circles on these curves represent 20% mixing intervals.

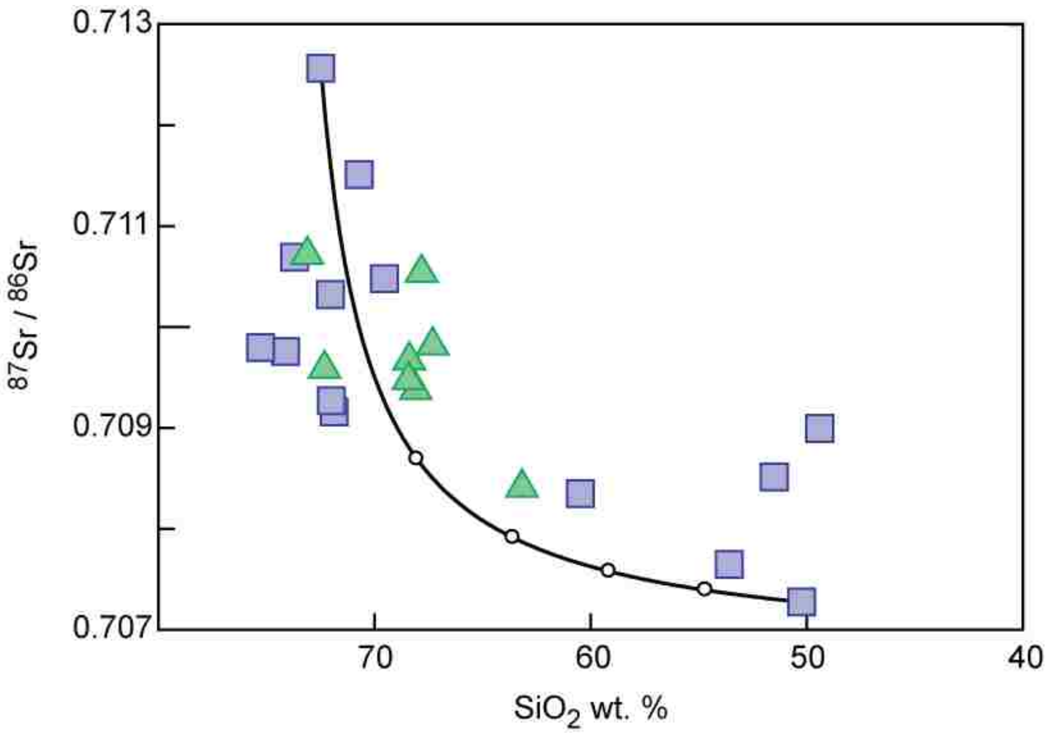


Figure 26, Isotope ratio mixing models for the RM-WRP based on DePaolo (1981) as modeled with IgPet for Windows (1998). The RM samples are represented as green triangles and the WRP samples by blue squares. The hyperbolic curve represents modeled mixing of $^{87}Sr/^{86}Sr$ vs. wt.% SiO_2 between two endmember compositions. Circles on this curve represent 20% mixing intervals.

Post-Magmatic Modification

Post-magmatic modification to the RM-WRP includes both subsolidus recrystallization of feldspars and metasomatism. Recrystallization and coarsening of feldspars is consistent with annealing of veins during incremental emplacement (Glazner et al., 2004). Type 3 feldspars in the RM-WRP are recrystallized and overprinted by pure end member albite (An_0-An_{15}) (Figure 22, Type 3) and altered to saussurite and sericite; particularly in hypabyssal phases. Hydrothermal fluids remobilized alkali elements (Carmichael, 1974; and Grimes, 1977) and precipitated magnesio-riebeckite on fracture and fault surfaces as well as in disseminated deposits and veinlets (Potts, 2000) in volcanic, hypabyssal and plutonic units.

Petrogenetic Model

Observations from the RM-WRP cannot be simply explained by either incremental or diapiric emplacement mechanisms. Emplacement of the RM-WRP through diapiric ascent (Miller and Paterson, 1999) of a large magma body by “shouldering aside” wall rocks explains the magma comingling textures, trace element and isotope mixing models, and the presence of stoped blocks. However diapirism is not consistent with overprinting and recrystallization of feldspars, the protracted growth of zircon, or the stack of bimodal hypabyssal sills (Hutton, 1988; Clemens et al., 1997; Clemens, 1998; Miller and Paterson, 1999; Dietl, 1999). The other current paradigm is magma emplacement by dike transport (Cruden, 1998; Baker, 1998; Petford et al., 2000) and by crack seal emplacement (Glazner et al., 2004; Bartley et al., 2007). Dike transport and crack seal emplacement could have produced the stack of RM-WRP hypabyssal sills and explains subsolidus overprinting and recrystallization of feldspars, but is not consistent with the large volumes of intermediate magmas, evidence for mixing, or presence of stoped blocks. In addition, both of these mechanisms only describe the emplacement of plutonic suites not the associated volcanic suite in the River Mountains. We present a more comprehensive model for the petrogenesis of a volcanic-plutonic system that is consistent with field observations, geochronology, whole rock geochemistry, and feldspar geochemistry. This four-stage model (Figure 27) not only takes into account the emplacement mechanisms but also the amalgamation of intrusions and sub-solidus modifications.

In stage 1 of the proposed model, magma emplacement begins and is represented by bimodal hypabyssal sills both in the RM and WRP. Plagioclase from this stage is oscillatory zoned reflecting closed system processes (Figure 22, Type 1). Stage 1 sills and dikes produced a cap under which additional magma accumulated. Stage 2, is dominated by magma comingling; reflected in the abundance of mafic enclaves and comingling textures in deeper portions of the WRP. Stage 2 also marks the initiation of volcanism, represented by basalt to andesite and dacite flows of the RM stratovolcano. Plagioclase in these rocks characteristically is sieve textured and contain dissolution surfaces as well as chemical zonation indicative of magma mixing (Figure 23, Type 2). Stage 3 represents a period of continued amalgamation of bimodal magmas to produce intermediate magmas by mixing and inflation of the magma chamber. Rocks formed in this stage are quartz monzonite of the WRP and dacite flows and domes of the RM. Stage 3 quartz monzonite intruded the stage 1 hypabyssal stack in the WRP and produced a quartz monzonite stock in the RM. The intrusion by these hybrid magmas into upper portions of the system and the presence of xenoliths up to 10 meters in diameter suggests that, during this stage, a magma chamber was inflated by continued injection. Type 2 plagioclase (Figure 23) also dominates during this stage recording magma mixing by chemical zonation and the abundance of dissolution surfaces and sieve textures. The end of stage 3 is signified by late stage bimodal domes and flows in the volcanic suite and dikes in the WRP that cut main phase intermediate magmas. These dikes and lavas with similar compositions in the RM (see Chapter 2) mark the end of magmatism. Stage 4 is characterized by the cessation of magmatism and the initiation of subolidus recrystallization and alteration. Magnesio-riebeckite forming on fracture surfaces and veinlets reflects the mobility of Na during this stage. Plagioclase phenocrysts are recrystallized and in some cases form pure albite (Figure 24, Type 3).

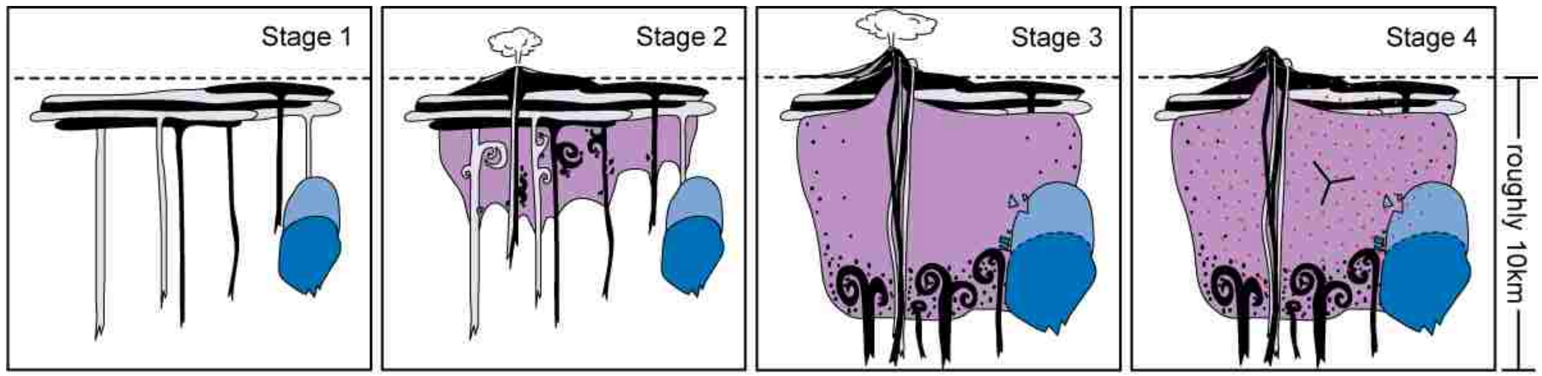


Figure 27. Cartoon of model for the emplacement of the RM-WRP. Stage 1 represents initiation as a shallow bimodal system and includes the diorite and monzodiorite intrusions. During stage 2 the system continues as in stage 1, but intrusions begin coalescing to form more intermediate compositions. This is also when the system initiates volcanic activity. Stage 3 is dominated by advanced homogenization of the bimodal inputs. Stage 4 represents the last thermal activity of the system including recrystallization, subsolidus coarsening, and hydrothermal alteration of the system. Also during stage 4, the Lake Mead fault system becomes active, removing the RM from the WRP.

Implications

We suggest that the RM-WRP can be used as a proxy to examine similar igneous systems in extensional settings that only have either volcanic or plutonic rocks exposed. For example, the eruptive history of the Quaternary Mount Mazama has been thoroughly studied through mapping, geochronology, paleomagnetic measurements, and geochemical data (Bacon and Lanphere, 2006). Mount Mazama episodically erupted andesite and dacite lavas in 2:1 proportions from 420 to 35 Ka. Volcanic activity climaxed with a caldera forming eruption of ~50 km^3 of rhyodacite tuffs. Bacon and Lanphere (2006) concluded that of the magma erupted during this cataclysmic event, 90% was compositionally homogenous rhyodacite pumice and that this large homogeneous magma body grew incrementally at an average rate of 2.5 km^3/kyr. Post caldera eruptions from Mount Mazama produced andesites and rhyodacite lavas. Our findings from the investigation of the RM-WRP system indicate that the plutonic equivalent of the Mount Mazama pre-caldera eruptions should be preserved as a stack of hypabyssal sills and dikes. The plutonic equivalent to the rhyodacites of the caldera forming eruption would crystallize to produce a relatively homogeneous granitic pluton. Post-caldera andesite and rhyodacite lavas would be represented by the late stage dikes that fed them.

Conclusions

The evolution of the RM-WRP is the basis for a new model to explain the growth of similar igneous systems. The model includes the following stages: 1) initiation of magmatism by bimodal injections, 2) comingling of injections and initiation of volcanism, 3) thorough mixing of magmas, continued volcanism and late stage dikes, and 4) subsolidus modifications. This new four-stage model encompasses both of the current emplacement mechanism paradigms by recognizing the importance of both incremental growth through continued injection and inflation of a large convective magma chamber in a single igneous system. Furthermore, the model accounts for growth of the volcanic suite in the RM. Stage 1 of this model is consistent with incremental growth, whereas stages 2 and 3 are more consistent with inflation of a magma chamber through continuous injections. In conclusion, the RM-WRP exemplifies a linked volcanic-plutonic complex where these two seeming mutually exclusive processes work in concert to produce both the volcanic and plutonic parts of an igneous system.

APPENDIX A

Sample locations, Field relationships, IUGS classifications

Sample Locations

Sample	Location	Unit	Map Reference	Rock Type
R02	RM	Trg	(Smith, 1984)	quartz monzonite stock
R03	RM	Trg	(Smith, 1984)	quartz monzonite stock
W05	WRP	Twrm	(Feuerbach, 1986)	quartz monzonite
W06	WRP	Twrm	(Feuerbach, 1986)	quartz monzonite
W09	WRP	Taf	(Feuerbach, 1986)	dacite flow
W14	WRP	Taf	(Feuerbach, 1986)	basalt flow
W15	WRP	Twrh	(Feuerbach, 1986)	basalt flow/sill
W21	WRP	Tid	(Larsen, 1989)	diorite intrusion
R24	RM	Trg	(Smith, 1984)	quartz monzonite stock
R25	RM	Trg	(Smith, 1984)	quartz monzonite stock
W26	WRP	Twrc	(Feuerbach, 1986)	quartz monzonite
W27	WRP	Twrh	(Feuerbach, 1986)	dacite sill
W29	WRP	Twrh	(Feuerbach, 1986)	basalt sill
W30	WRP	Twrd	(Larsen, 1989)	rhyodacite dike
R31	RM	Tra	(Smith, 1984)	andesite sill/flow
R32	RM	Tra	(Smith, 1984)	andesite sill/flow
R33	RM	Tpdl	(Smith, 1984)	dacite flow
R34	RM	Tpd2	(Smith, 1984)	dacite intrusion
W36	WRP	Tid	(Larsen, 1989)	diorite xenolith
W38	WRP	Tqmm	(Larsen, 1989)	quartz monzonite
W39	WRP	Twrd	(Larsen, 1989)	rhyolite dike
W41	WRP	Tmd	(Larsen, 1989)	monzodiorite intrusion
W42	WRP	Tid	(Larsen, 1989)	diorite intrusion
GR	RM	Tpdu	(Smith, 1984)	rhyolite dome
BCP	BCP	Tb	(Mills, 1994)	quartz monzonite
Hoov	BCA	Thd	(Mills, 1994)	rhyolite ash flow tuff
RRP	RRP	Ti	(Anderson, 1977)	quartz monzonite

Field Relationships

The River Mountains volcanic suite (RM) of southern Nevada is composed of mainly dacite, with lesser amounts of andesite, basalt and rhyolite. Smith (1982, 1984) suggested that the RM are composed of at least four volcanic sections that were juxtaposed by mid-Tertiary strike-slip faulting related to the left-lateral Lake Mead fault system. These four volcanic sections as mapped by

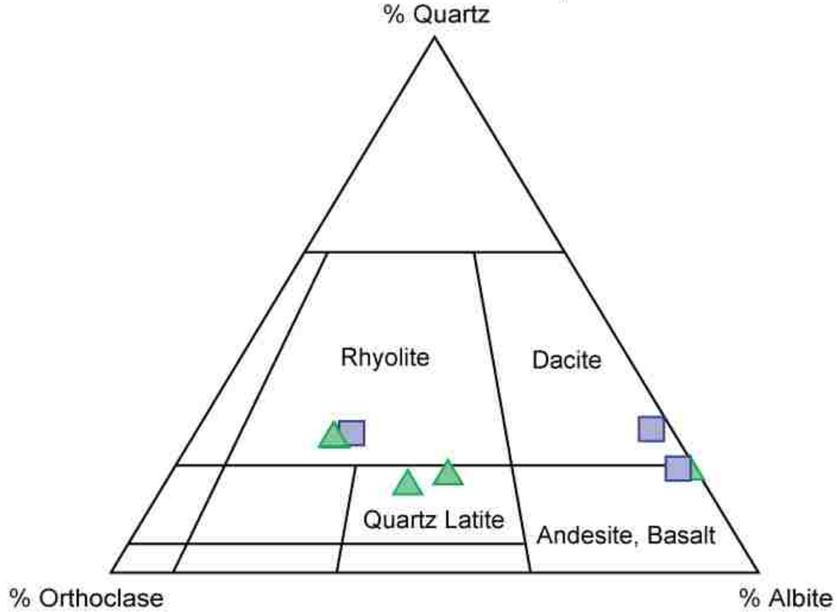
Smith (1982 and 1984), include the 1) Powerline Road section, 2) the RM stratovolcano and stock, 3) the Bootleg Wash section, and 4) the Red Mountain section. The Powerline Road section represents the northern most RM outcrops and primarily consists of dacite domes, flows, intrusions and pyroclastic surge deposits with lesser basalt and andesite flows. Dacites associated with the Powerline Road section comprise 70% of the volume of the RM suite. The RM stratovolcano, to the south of the Powerline Road section, produced a section of andesite and dacite flows (Smith, 1984) some of which are re-interpreted as hypabyssal sills based on their lack of flow-top brecciation and chilled margins against the rocks above them in the section. The RM stock and associated radial porphyritic dacite dikes intruded the RM stratovolcano section. The quartz monzonite RM stock contains xenoliths of basalt and dolomite up to four meters in diameter. The most likely source for the dolomite xenoliths is the Mesozoic and Paleozoic section which has been eroded from the RM, but preserved to the north of Lake Mead (Beard et al., 2007). The Bootleg Wash section, just north of Boulder City Nevada is composed, from base to top, of andesite flows, volcaniclastic breccia, and flow-banded dacite flows. The Red Mountain section in the southernmost RM includes highly altered andesite and dacite flows, volcaniclastic rocks, and local granitic intrusions. The RM section is separated from the RM stratovolcano section by a prominent northwest-striking strike-slip fault.

The Wilson Ridge pluton, as mapped by Feuerbach (1986), Naumann (1987), and Larsen (1989), consists of five main phases. From north to south these phases are; 1) the Horsethief Canyon diorite, 2) monzodiorite of Wilson Ridge, 3) quartz monzonites of the Teakettle Pass suite, 4) hypabyssal phase, and are all cut by 5) late phase dikes. The Horsethief Canyon diorite is a coarse-grained intrusion with an outcrop area of approximately 4km^2 on the southwestern margin of the WRP (Larsen, 1989). This diorite intrusion is unfoliated and locally includes pegmatite veins with euhedral hornblende phenocrysts up to 10cm in length. The monzodiorite of Wilson Ridge, previously considered part of the Teakettle Pass suite by Larsen (1989), is a quartz monzodiorite and monzodiorite intrusion covering roughly 14km^2 of the southern WRP. The monzodiorite of Wilson Ridge locally displays moderate to strong foliation defined by the alignment of biotite, hornblende, and plagioclase phenocrysts. This foliation is most prominent along the southern and eastern margins of the pluton. The Horsethief Canyon diorite was intruded by and incorporated as angular xenoliths in both the monzodiorite of Wilson Ridge and the coarse-grained phase of the Teakettle Pass suite. The Teakettle Pass suite includes coarse and medium-grained quartz monzonite, which comprises the main phase of the WRP, covering approximately 60km^2 of outcrop area. Although locally intrusive, The Teakettle Pass suite generally has a gradational contact with the monzodiorite of Wilson Ridge which dips 20º to the north. In contrast, the Teakettle Pass suite has an intrusive contact with the Horsethief Canyon diorite. This intrusive contact is spectacularly displayed in Horsethief Canyon, where abundant diorite enclaves varying in shape from angular blocks to schlieren. Basaltic enclaves at this location are also common and are interpreted as co-magmatic dike fed injections into the Teakettle Pass suite (Larsen, 1989). The most northern exposures of the WRP are dominated by the hypabyssal phase, which includes fine to very- fine grained monzonite and quartz monzonite as well as a stack of dacite and basalt, lamprophyre, and dacite dikes and sills (Feuerbach, 1986). The hypabyssal phase and associated dikes and sills are highly altered, with abundant saussurite and sericite replacement of feldspars. All phases of the WRP are cut by north-northwest trending late phase dikes, which include basalt, lamprophyre, quartz monzonite, rhyodacite, and aplite.

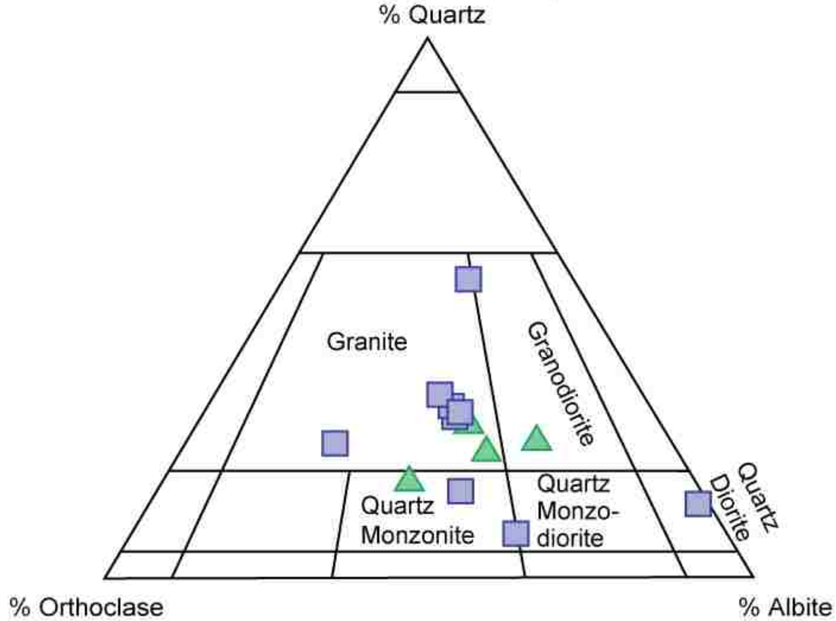
Geochemical Classification of Studied Samples

The River Mountains volcanic suite and Wilson Ridge plutonic rocks cover a continuous compositional range from basalt to rhyolite and are typical of Miocene igneous rocks in the Colorado River Extensional Corridor. Samples were classified based on International Union of Geological Science (IUGS) Streckheisn diagrams using Cross-Iddings-Pirrson-Washington (CIPW) normative mineralogy (Winter, 2010). Using this scheme, the volcanic rocks include basalt, andesite, dacite, quartz latite, and rhyolite. plutonic rocks were classified as quartz diorite, quartz monzo-diorite, granodiorite, quartz monzonite, and granite.

Volcanic RM-WRP Samples



Plutonic RM-WRP Samples



IUGS Streckheisn classification diagrams for volcanic and plutonic rock of the RM-WRP. A CIPW normalization was used before classification. RM samples are green triangles and WRP samples are blue squares.

Summary of Petrographic Descriptions of Thin Sections

The following paragraphs summarize petrographic descriptions of XX polished and covered thin sections in order to describe the mineralogy of major phases of the RM and WRP. Complete petrographic descriptions of individual thin sections are reported in Appendix E. Mineral assemblages are visual approximations and not the result of point counting.

WRP The Teakettle Pass suite (W5, W6, W26, and W38)

The Teakettle Pass suite quartz monzonites range from fine to coarse grained and are hypidiomorphic. Phenocrysts include quartz (20%), plagioclase (35%), orthoclase (30%), biotite (10%), and unidentified Fe-oxides (5%) with accessory apatite, zircon, and titanite. In some samples, prismatic hornblende is also present in minor amounts (<5%).

WRP Monzodiorite of Wilson Ridge (W41)

The monzodiorite of Wilson Ridge is a medium-grained hypidiomorphic phaneritic monzodiorite with foliation defined by the alignment of hornblende, biotite, and plagioclase phenocrysts. This rock contains plagioclase (25%), orthoclase (20%), amphibole (15%), biotite (15%), quartz (10%), unidentified Fe-oxides (10%), and accessory apatite and sphene. Feldspars have oscillatory, reverse, and normal zoning. Myrmekite is a common texture between feldspar and quartz grains.

WRP Horsethief Canyon diorite (W21 and W43)

The Horsethief Canyon diorite is a coarse-grained phaneritic, hypidiomorphic to allotriomorphic diorite with phenocrysts of plagioclase (30%)

hornblende (20%), biotite (15%), quartz (25%), orthoclase (10%), and accessory titanite, apatite, zircon, and unidentified Fe-oxides. Megascopic honey –yellow titanite dominate the accessory phases.

WRP mafic hypabyssal sills and dikes (W29 and W15)

The hypabyssal sills and dikes vary greatly in composition from basalt and rhyolite and are therefore the description of this phase is broken into 'mafic' and 'felsic' units. Mafic units of the hypabyssal phase (W29 and W15) are in general aphanitic porphyritic andesites with pilotaxitic, cryptocrystalline groundmass. The ratio of groundmass to phenocrysts is approximately 75:25. Anhedral plagioclase (40%), and orthoclase (30%), commonly with disequilibrium textures such as sieve, are the dominant phenocrysts with varying amounts of biotite and amphibole depending on the sample. Biotite and amphibole have undergone varying degrees of replacement by unidentified clay minerals. Trace amounts of apatite and rare zircon are also present.

WRP felsic hypabyssal sills (W9 and W27)

Sill sample W9 is a highly altered aphanitic porphyritic dacite with a ratio of phenocrysts to groundmass of 35:65. Phenocrysts of plagioclase (70%), orthoclase (15%), and biotite (15%), and clinopyroxene (<5%) are commonly replaced by unidentified clay minerals. Pyroxene in particular has been completely replaced by clay minerals so that only the original grain shape remains. Sill W27 is also highly altered aphanitic porphyritic dacite with vitric to cryptocrystalline groundmass, but has a ratio of phenocrysts to groundmass of 15:85. Phenocrysts include embayed quartz (50%), plagioclase (15%), orthoclase (15%), and biotite (30%). Both sill samples have accessory zircon and apatite.

WRP Late phase dikes (W30 and W39)

The two late phase dikes sampled for this study are a plagioclase megacryst bearing rhyodacite (W30) and a porphyritic rhyolite (W39). W30 is aphanitic porphyritic, allotriomorphic with embayed quartz phenocrysts (30%), plagioclase (30%), orthoclase (10%), biotite (5%), amphibole (5%), and unidentified interstitial Fe-oxides (10%). Plagioclase megacrysts make up roughly 3% of the whole rock and are not present in the described thinsection. Zircon and apatite are also present in trace amounts. W39 is porphyritic dacite with a ratio of phenocrysts to groundmass of approximately 40:60. Phenocrysts include plagioclase (75%) and biotite (25%). Plagioclase is replaced by clays and muscovite, have sieve texture and are over printed by exsolution lamellae. Several phenocrysts exist as glomerocrysts of biotite and plagioclase with well-developed triple junctions.

RM stratovolcano (R32 and R33)

R32 is a fine-grained aphanitic porphyritic hypabyssal dacite sill with pilotaxitic groundmass comprising 75% of the whole rock. Phenocrysts include plagioclase (65%) and orthoclase (15%) with well-developed sieve texture, quartz (5%) biotite (5%), muscovite (5%). Accessory zircon and apatite are also present.

Dacite flow R33 is aphanitic porphyritic with embayed quartz and resorbed (sieve texture) feldspars. The very fine-grained pilotaxitic groundmass comprises

60% of the whole rock. Phenocrysts include plagioclase (70%), orthoclase (10%), quartz (10%), biotite (5%), and unidentified Fe-oxides (5%). Accessory zircon and apatite are also present.

<u>RM stock (R02, R03, R24, R25)</u>

The RM stock is a hypidiomorphic phaneritic fine to medium grained quartz monzonite with phenocrysts of plagioclase (40%), orthoclase (20%), biotite (15%), quartz (10%), muscovite (10%), hornblende (5%), as well as accessory zircon and apatite. The interiors of feldspars are commonly replaced by unidentified clay minerals. Accessory zircon and apatite are ubiquitous.

<u>The Powerline Road section (R34, GR)</u>

The large dacitic intrusion, sample R34, is porphyritic hypocrystalline with glass comprising 60% of the whole rock. Phenocrysts include rounded and embayed quartz (35%), reverse and normally zoned plagioclase (30%), biotite (20%), amphibole (10%), and unidentified Fe-oxides (5%) with accessory zircon and apatite.

Flow banded rhyolite dome GR is porphyritic hypocrystalline with glass comprising 80% of the whole rock. Phenocrysts present include sanidine (70%), quartz (10%), hornblende (10%), plagioclase (5%), and biotite (5%) with accessory zircon and apatite.

Whole Rock Major Element Data

[redacted]

Sample	Unit	SiO_2	Al_2O_3	Fe_2O_3(T)	MnO	MgO	CaO	Na_2O	K_2O	TiO_2	P_2O_5	LOI	Total
R2	Rqp	71.94	14.17	2.06	0.03	0.5	0.19	2.51	8.51	0.27	0.09	0.31	100.29
R3	Rqp	68.08	14.65	3.04	0.04	1.21	2.42	3.99	4.09	0.47	0.17	0.58	98.75
W5	Wqp	73.69	14.44	1.72	0.03	0.54	1.26	4.2	4.86	0.28	0.08	0.49	101.1
W6	Wqp	74.11	14.13	1.67	0.04	0.54	1.15	4.04	4.79	0.25	0.08	0.44	100.8
W9	Wqp	69.53	15.95	3.06	0.01	0.29	1.96	9.17	0.28	0.5	0.21	1.51	100.96
W14	Wrh	75.27	14.13	1.65	0.02	0.42	0.33	7.98	0.46	0.23	0.07	0.75	100.56
W21	WDp	51.5	13.53	8.26	0.146	7.05	10	2.72	2.16	1.1	0.67	1.53	98.72
R24	Rqp	66.61	16.02	3.26	0.069	1.03	2.4	4.41	4.34	0.464	0.25	1.36	100.2
R25	Rqp	68.42	15.33	4.14	0.06	1.16	2.71	5.19	2.9	0.47	0.2	1.1	100.58
W26	Wqp	73.39	12.92	1.43	0.032	0.44	1.02	3.69	4.84	0.22	0.07	0.54	98.6
W27	Wrh	72.48	14.3	2.12	0.03	0.52	0.19	2.58	8.51	0.27	0.1	0.28	101.1
W29	Wbh	49.4	14.89	9.22	0.14	7.83	7.18	3.21	4.36	1.74	0.94	2.79	98.92
W30	Wrd	72.04	14.51	1.61	0.01	0.24	0.46	2.72	7.95	0.34	0.13	1.34	100.01
R31	Rah	67.82	14.02	3.47	0.05	0.67	3.7	4.39	5.63	0.47	0.2	2.86	100.42
R32	Rah	68.39	15.53	2.9	0.04	1.16	0.48	4.11	7.12	0.47	0.19	0.81	100.4
R33	Rdh	73.1	15.91	1.61	0.03	0.16	0.54	9.23	0.15	0.42	0.18	0.54	101.33
R34	Rdd	63.17	15.34	4.41	0.21	1.24	5.67	3.3	5.55	0.66	0.36	2.58	99.91
W36	WDi	50.23	14.46	7.67	0.14	7.38	8.96	3.52	4.11	1.29	1.71	2.22	99.47
W38	Wqp	70.71	15.43	2.62	0.05	0.89	1.72	3.97	4.37	0.33	0.17	0.95	100.26
W39	Wrd	71.86	14.98	2.15	0.03	0.67	0.68	8.64	0.37	0.35	0.12	0.12	99.85
W41	Wmp	60.47	16.12	5.62	0.096	2.76	4.91	3.71	4.25	0.92	0.52	0.66	100
W42	WDp	53.58	15.53	7.0	0.114	5.42	8.98	3.34	1.38	1.158	0.45	1.5	98.45
GR	Rrf	72.31	13.98	1.39	0.04	0.34	0.95	2.45	8.44	0.21	0.06	0.97	100.17

Sample	Unit	SiO_2	Al_2O_3	Fe_2O_3(T)	MnO	MgO	CaO	Na_2O	K_2O	TiO_2	P_2O_5	LOI	Total
HOOV	Hrf	61.17	15.45	4.6	0.117	0.9	2.07	1.62	9.75	0.73	0.25	2	98.67
BCP	Bqp	60.22	16.35	5.83	0.1	3.17	5.35	3.96	3.97	1.06	0.42	0.7	100.25
RRP	RRqp	71.77	14.39	1.92	0.02	0.87	1.04	4.01	5.93	0.4	0.12	0.74	100.47

[redacted]

Whole Rock Trace Element Data

Sample	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Th	U
R2	90.2	8.44	29.6	4.7	0.87	3.4	0.5	2.7	0.5	1.5	0.23	1.5	0.23	14.5	1.8
R3	85.8	8.79	26.2	4.7	1.14	3.7	0.5	3.1	0.6	1.8	0.28	1.8	0.27	13.9	2.9
W5	106	9.12	30.3	4.5	0.86	3.1	0.4	2.4	0.5	1.5	0.23	1.7	0.24	30.2	4.9
W6	101	8.53	27.6	3.9	0.72	2.6	0.4	2.1	0.4	1.3	0.23	1.5	0.22	24.7	3.3
W9	122	11.4	39.5	6	1.32	4	0.6	3	0.6	1.7	0.27	1.8	0.27	14.8	2
W14	101	8.65	27.7	4.1	0.69	2.6	0.4	2.1	0.4	1.3	0.22	1.5	0.22	19.5	0
W15	179	18.3	70.8	11.6	2.84	7.9	1	5.1	1	2.6	0.35	2.3	0.32	12.4	2.3
W21	137	16.7	55.5	11.4	2.97	9.2	1.1	5.8	1.1	2.9	0.4	2.4	0.35	8.3	3.7
R24	161	14.6	50	7.5	1.62	5.2	0.8	4.6	1	2.7	0.42	2.8	0.4	16.3	2.2
R25	93.7	9.56	27.8	4.9	1.17	3.7	0.5	2.9	0.6	1.6	0.25	1.6	0.25	12.5	2.4
W26	84.6	7.68	19.4	3.2	0.64	2.4	0.3	2	0.4	1.3	0.21	1.4	0.22	24.2	2
W27	86.9	8.92	26.5	4.7	0.91	3.7	0.5	2.8	0.6	1.7	0.25	1.6	0.25	14	4.9
W29	201	20.3	78.2	12.2	2.94	8.3	1	5	0.9	2.3	0.31	1.9	0.26	10.6	1.8
W30	99.7	10	28.9	5.1	1.05	3.9	0.6	3	0.6	1.8	0.27	1.7	0.26	16.7	2.1
R31	123	11.1	39.2	5.8	1.18	3.7	0.5	2.8	0.6	1.7	0.26	1.7	0.25	15.9	2.7
R32	144	13.1	45.1	6.7	1.47	4.6	0.7	3.6	0.7	2	0.32	2.1	0.32	20.1	3.1
R33	92.7	9.42	28.4	5.1	1.41	4	0.6	3.3	0.6	1.9	0.28	1.8	0.26	13.4	4.6
R34	133	13.9	39.6	6.8	1.65	4.8	0.6	3.3	0.6	1.8	0.26	1.6	0.25	15.6	1.9
W36	328	34.6	135	21.4	4.95	13	1.5	6.7	1.1	2.8	0.35	2.1	0.29	14.8	3.2
W38	122	11.3	39.6	6.1	1.24	4.2	0.6	3.3	0.6	1.8	0.28	1.7	0.25	14.4	3.4
W39	126	12	30.5	5.3	1.17	3.8	0.5	3	0.6	1.8	0.28	1.9	0.28	20	2
W41	155	15.6	60.1	9.8	2.13	6.7	0.9	4.5	0.9	2.4	0.36	2.3	0.32	21.4	4.3
W42	80.5	9.02	38.4	7.7	2.03	6.4	0.9	4.4	0.8	2.1	0.27	1.7	0.24	10.3	4.9

Sample	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Th	U
GR	92.2	8.79	23	3.8	0.66	2.8	0.4	2.4	0.5	1.6	0.25	1.7	0.26	25.6	2
HOOV	98.3	10.6	31.8	5.8	1.54	4.7	0.6	3.5	0.7	2	0.31	2	0.31	11.8	4.6
BCP	140	15.7	48.3	9.3	2.25	7.2	0.9	5	1	2.7	0.39	2.4	0.37	16.1	2.3
RRP	115	11.4	34.3	6.2	1.15	4.8	0.7	3.8	0.8	2.3	0.35	2.3	0.35	21	3.5

Whole Rock Trace Element Data Continued

Sample	V	Zn	Ga	As	Rb	Sr	Y	Zr	Nb	Sb	Cs	Ba	La	Hf	Ta	W	Pb
R2	20	0	16	12	184	57	14	158	13	0	1.9	1124	49.8	4.4	1.4	825	6
R3	43	30	19	0	115	455	18	178	16	3.3	1	1470	48.5	4.6	1.7	1480	17
W5	20	0	16	0	119	279	15	202	19	0	1.2	1210	61.7	4.9	2	2270	12
W6	17	0	16	0	129	234	12	171	13	0	1.2	1020	60.6	4.4	3.5	537	16
W9	48	0	17	18	8	116	15	254	18	0	0	34	67.7	6	1.6	994	0
W14	18	0	15	0	19	110	13	164	17	0	3.2	125	59.4	4.4	4.1	596	0
W15	194	60	21	0	56	839	24	269	30	0	0.9	2040	90.4	6.2	1.7	407	5
W21	205	50	17	0	35	859	31	217	17	1.8	0	1660	68.9	5.1	1	337	0
R24	32	30	19	0	94	483	27	471	29	0	0.6	1984	91.2	10.2	2.3	1530	10
R25	45	0	19	0	89	400	17	215	15	2.5	1.4	1440	53.8	5	2	186	12
W26	11	0	16	0	141	183	14	124	19	2.7	1.1	745	53.4	3.4	1.9	2300	29
W27	16	40	17	9	214	58	18	155	14	3.2	2.1	1110	49	3.9	1.4	754	21
W29	170	100	18	11	122	1060	22	292	28	0	4.6	4060	101	6.5	1.8	214	7
W30	23	0	18	0	122	39	19	218	19	2.6	0	608	57.2	5.2	1.8	1190	0
R31	34	0	15	0	80	152	15	242	18	0	0	485	69.3	5.5	1.8	118	0
R32	31	0	16	0	111	87	19	301	21	0	0	932	80.9	7	1.6	880	5
R33	42	0	20	0	0	154	20	174	14	2.3	0	304	53.9	4.2	1.3	890	0
R34	78	40	18	14	115	686	19	181	21	2.9	0.9	1680	74.7	4.2	2	108	38
W36	171	70	18	0	80	1230	30	359	24	0	18.3	2500	159	6.5	1.6	40	14
W38	29	0	18	0	127	422	17	215	14	0	1.9	1540	65.2	5.1	1.4	1950	15
W39	28	0	19	0	7	138	19	196	19	2.4	0	1070	75.3	4.7	2.6	213	0
W41	112	50	20	0	124	851	23	283	20	0	3.6	1557	79.1	7.1	1.4	1050	16
W42	212	0	17	0	33	750	22	157	12	0	0.7	736	41.3	4.1	0.8	548	0
GR	10	0	17	7	216	117	17	142	22	1.8	2.2	710	55.8	4	1.9	686	22

Sample	V	Zn	Ga	As	Rb	Sr	Y	Zr	Nb	Sb	Cs	Ba	La	Hf	Ta	W	Pb
HOOV	60	40	20	18	263	240	22	274	19	4.7	3.8	1370	56.7	6.1	1.5	46	18
BCP	111	70	21	5	104	776	29	329	22	4.1	1.8	1410	72.5	7.2	2.4	182	26
RRP	28	0	17	0	163	308	25	197	20	3.4	1	1330	65.4	5.1	1.9	1460	12

APPENDIX B: $^{206}Pb/^{238}U$ zircon ages

SIMS zircon data for Twrm W26 Wilson Ridge Teakettle Pass suite) n=10 (± 2.00)

Spot #	$^{206}Pb/^{238}U$	±1σ	$^{207}Pb/^{235}U$	±1σ	$^{207}Pb/^{206}Pb$	±1σ	WR	Type
W0726-1	14.44	0.820	31.62	4.31	1666	202	0.58	phenocryst
W0726-2	13.96	0.927	20.22	2.68	846.6	226	0.00	phenocryst
W0726-3	14.24	0.785	17.98	2.03	551.1	228	0.35	phenocryst
W0726-4	13.53	0.723	24.21	2.28	1276	206	0.60	phenocryst
W0726-5	14.45	0.804	32.17	3.32	1697	144	0.60	phenocryst
W0726-6	13.66	0.628	19.58	2.03	824.2	215	-0.48	phenocryst
W0726-7	13.25	0.596	18.27	1.41	741.1	138	-1.20	phenocryst
W0726-8	14.55	0.674	15.15	1.13	112.9	124	0.87	phenocryst
W0726-9	13.53	0.906	16.18	1.44	430.9	171	-0.48	phenocryst
W0726-10	14.60	0.819	21.57	2.61	889.3	220	0.78	phenocryst

SIMS zircon data for Twrm (W0712) n=10, acceptable WR = ± 2.00

Spot #	$^{206}Pb/^{238}U$	±1σ	$^{207}Pb/^{235}U$	±1σ	$^{207}Pb/^{206}Pb$	±1σ	WR	Type
W0712-2	12.92	0.290	21.55	1.38	1135	126	-1.21	phenocryst
W0712-4	13.67	0.436	25.11	2.42	1327	182	0.91	phenocryst
W0712-10	13.59	0.436	28.62	1.34	1591	94.7	0.73	phenocryst
W0712-11	13.00	0.361	27.68	1.97	1611	133	-0.75	phenocryst
W0712-22	13.87	0.329	19.74	0.984	810	96	1.82	phenocryst
W0712-23	13.80	0.540	27.32	3.36	1474	213	0.98	phenocryst
W0712-25	13.57	0.442	30.79	2.54	1731	156	0.68	phenocryst
W0712-26*	12.48	0.293	20.77	1.85	1130	169	2.70	rejected
W0712-27	13.65	0.366	19.54	1.13	821.8	113	1.04	phenocryst
W0712-32*	1280	35.9	1331	24.6	1415	32.2	*	xenocryst
W0712-33rim	13.27	0.351	32.41	3.63	1867	198	-0.42	phenocryst
W0712-33core	16.36	0.447	31.91	2.55	1449	123	*	antecryst

SIMS zircon data for Trg (R073), n=16 acceptable MSW D= ±1.756

Spot #	$^{206}Pb/^{238}U$	±1σ	$^{207}Pb/^{235}U$	±1σ	$^{207}Pb/^{206}Pb$	±1σ	WR	Type
R073-1	13.24	0.681	16.24	1.17	486.9	155	-0.87	phenocryst
R073-2	13.96	0.809	28.51	3.43	1533	247	0.16	phenocryst
R073-3	13.28	0.579	21.99	1.72	1121	155	-0.95	phenocryst
R073-4	14.05	0.692	19.23	1.85	727.2	206	0.32	phenocryst
R073-5	13.38	0.649	15.99	1.43	429.6	198	-0.69	phenocryst
R073-6	13.64	0.656	16.19	1.29	414.5	158	-0.29	phenocryst
R073-7rim	13.24	0.729	17.03	2.85	591.5	324	-0.81	phenocryst
R073-7core	13.64	0.768	19.27	3.51	794	371	-0.25	phenocryst
R073-8	14.1	0.712	17.43	2.77	505.2	318	0.38	phenocryst
R073-9	13.82	0.834	19.95	2.92	838.7	251	-0.01	phenocryst
R073-10	13.89	0.750	17.30	1.84	521.9	218	0.08	phenocryst
R073-11	13.35	0.716	19.88	1.97	903.3	200	-0.67	phenocryst
R073-12	14.36	0.65	25.01	2.27	1225	162	0.82	phenocryst
R073-13	13.77	0.718	19.17	3.11	762.9	322	-0.08	phenocryst
R073-14	14.7	0.734	19.82	2.11	695.2	213	1.19	phenocryst
R073-15*	15.25	0.717	18.68	1.4	485.9	127	1.98*	antecryst

SIMS zircon data for Tra (R0733) n=10, acceptable MSWD= ± 2.00

Spot #	$^{206}Pb/^{238}U$	±1σ	$^{207}Pb/^{235}U$	±1σ	$^{207}Pb/^{206}Pb$	±1σ	WR	Type
R0733-1	13.42	0.579	18.2	1.3	706.7	156	-0.44	phenocryst
R0733-2	13.87	0.734	16.56	1.71	426.8	235	0.27	phenocryst
R0733-3	13.52	0.648	15.64	1.28	354.3	152	-0.24	phenocryst
R0733-4	13.58	0.581	16.75	1.31	499.4	155	-0.16	phenocryst
R0733-5	13.66	0.684	16.92	1.57	509.1	207	-0.02	phenocryst
R0733-6	13.34	0.644	18.93	1.57	802.6	155	-0.52	phenocryst
R0733-7	13.07	0.586	17.96	1.63	734.6	178	-1.03	phenocryst
R0733-8	13.88	0.632	14.19	1.12	66.86	140	0.33	phenocryst
R0733-9	13.83	0.705	21.03	2.95	948	271	0.22	phenocryst
R0733-10*	14.91	0.667	16.7	1.56	282.5	192	1.85*	antecryst

SIMS zircon data for Tra (R0727) n= 11, acceptable MSWD = ±1.943

Spot #	$^{206}Pb/^{238}U$	±1σ	$^{207}Pb/^{235}U$	±1σ	$^{207}Pb/^{206}Pb$	±1σ	WR	Type
R0727-1	14.54	0.708	16.16	1.22	264.6	141	-0.11	phenocryst
R0727-2	15.56	0.826	21.58	2.15	757.8	215	1.14	phenocryst
R0727-3	14.16	0.624	18.83	1.47	665.8	150	-0.73	phenocryst
R0727-4	15.17	0.618	16.71	1.26	245.1	144	0.90	phenocryst
R0727-5	14.41	0.656	16.26	1.69	299.3	215	-0.31	phenocryst
R0727-6	13.94	0.694	15.95	1.39	330.9	199	-0.97	phenocryst
R0727-7rim	14.62	0.715	17.61	1.74	448	194	0.01	phenocryst
R0727-7core	14.81	0.754	19.59	1.87	653.6	179	0.26	phenocryst
R0727-8	14.55	0.726	19.31	2.35	660.7	262	-0.09	phenocryst
R0727-8rim	14.72	0.756	19.08	1.83	610.7	180	0.14	phenocryst
R0727-9core	14.59	0.758	21.8	2.41	912.2	220	-0.03	phenocryst

SIMS zircon data for Boulder City pluton (BCP) n= 7, acceptable MSWD = ± 0.25

Spot #	$^{206}Pb/^{238}U$	±1σ	$^{207}Pb/^{235}U$	±1σ	$^{207}Pb/^{206}Pb$	±1σ	WR	Type
BCP-1	12.44	0.582	13.73	1.43	244.9	231	-0.07	phenocryst
BCP-2	12.65	0.722	17.27	2.39	719.9	308	0.24	phenocryst
BCP-3	12.86	0.807	32.47	3.78	1927	199	0.47	phenocryst
BCP-4core*	571.6	34.2	801.1	45.8	1507	88	*	xenocryst
BCP-4rim*	479.4	109	602.2	132	1096	289	*	xenocryst
BCP-5	1199	58.6	1242	92.1	1317	206	*	xenocryst
BCP-6	12.84	0.674	16.11	1.85	535.4	197	0.54	phenocryst
BCP-7	12.71	0.645	16.85	1.37	656.3	120	0.36	phenocryst
BCP-9	12.16	0.604	15.38	2.69	553.2	338	-0.53	phenocryst
BCP-11*	1632	67.8	1626	38.3	1618	15.1	*	xenocryst
BCP-12*	12.07	0.564	24.88	3.77	1548	272	-0.72	phenocryst
BCP-13*	1882	94	1957	59.3	2038	70.1	*	xenocryst

SIMS zircon data for Railroad Pass pluton (RRP) n= 13, acceptable MSWD = ± 1.853

Spot #	$^{206}Pb/^{238}U$	±1σ	$^{207}Pb/^{235}U$	±1σ	$^{207}Pb/^{206}Pb$	±1σ	WR	Type
RRP-7	16.5	0.579	37.83	2.92	1756	125	1.23	phenocryst
RRP-8	15.07	0.525	28.36	3.27	1378	221	-1.37	phenocryst
RRP-12	15.82	0.862	55.37	4.97	2511	143	0.04	phenocryst
RRP-17	17.23	0.688	67.35	9.04	2705	188	2.10*	antecryst
RRP-22	15.37	0.489	24.51	1.41	1049	103	-0.86	phenocryst
RRP-23	15.98	0.45	32.18	2.35	1511	133	0.43	phenocryst
RRP-25rim	16.56	0.789	44.83	5.88	2061	203	0.98	phenocryst
RRP-25core	15.54	0.642	40.91	6.76	2008	284	-0.39	phenocryst
RRP-26*	19.66	0.817	81.47	5.33	2813	75.8	4.74*	antecryst
RRP-28	15.62	0.627	44.22	4.94	2139	170	-0.27	phenocryst
RRP-30	16.02	0.489	21.52	1.53	689.9	137	0.47	phenocryst
RRP-31rim	14.74	0.375	18.63	0.898	555.3	91.7	-2.80*	rejected
RRP-31core	15.52	0.449	29.36	2.39	1389	147	-0.60	phenocryst

SIMS zircon data for the Hoover Dam tuff (Thdt) n=12, acceptable MSWD = ± 1.894

Spot #	$^{206}Pb/^{238}U$	±1σ	$^{207}Pb/^{235}U$	±1σ	$^{207}Pb/^{206}Pb$	±1σ	WR	Type
Hoov-1	15.36	0.68	16.91	1.24	243.7	143	1.40	phenocryst
Hoov-2	14.08	0.645	17.81	1.44	555.3	170	-0.51	phenocryst
Hoov-3	13.55	0.579	17.22	1.94	564.3	238	-1.48	phenocryst
Hoov-4core	14.97	0.765	18.91	1.8	553	173	0.73	phenocryst
Hoov-4rim	14.09	0.669	14.84	1.47	137.9	203	-0.48	phenocryst
Hoov-5	14.17	0.791	22.88	2.87	1071	231	-0.30	phenocryst
Hoov-6	13.6	1.03	33.59	7.18	1888	374	-0.78	phenocryst
Hoov-6core	14.07	0.891	17.96	3.84	576.5	497	-0.38	phenocryst
Hoov-7	15.59	0.712	18.03	1.54	356.1	175	1.66	phenocryst
Hoov-8	13.67	0.718	14.95	1.7	226.6	233	-1.03	phenocryst
Hoov-9	16.04	0.84	32.48	8.02	1521	447	1.94	phenocryst
Hoov-11	14.12	0.693	19.64	1.84	762.4	204	-0.42	phenocryst

SIMS zircon data for Gene's rhyolite dome (GRR) n=10 , acceptable WR = ± 2.00

Spot #	$^{206}Pb/^{238}U$	±1σ	$^{207}Pb/^{235}U$	±1σ	$^{207}Pb/^{206}Pb$	±1σ	WR	Type
GRR-1	1484	54.1	1539	32.7	1616	8.07	*	xenocryst
GRR-2	13.44	0.655	15.98	1.41	417.8	161	0.23	phenocryst
GRR-3	14.07	0.597	18.24	1.33	609.6	151	1.31	phenocryst
GRR-4	13.75	0.712	19.22	2.31	770.3	220	0.65	phenocryst
GRR-5core	13.27	0.585	15.59	1.13	390.8	138	-0.03	phenocryst
GRR-5rim	12.76	0.529	15.97	1.66	531	225	-1.00	phenocryst
GRR-6	13.58	0.597	16.38	1.15	450	125	0.49	phenocryst
GRR-7	13.36	0.588	14.49	1.54	206.2	223	0.12	phenocryst
GRR-8	12.94	0.724	18.99	2.63	872.7	293	-0.48	phenocryst
GRR-9	13.51	0.78	18.82	2.69	764.1	285	0.28	phenocryst
GRR-10	12.57	0.571	14.23	1.47	304.9	213	-1.26	phenocryst

SIMS zircon data for Horsethief Canyon diorite (W21) n= 9, MSWD = ± 2.069

Spot #	$^{206}Pb/^{238}U$	±1σ	$^{207}Pb/^{235}U$	±1σ	$^{207}Pb/^{206}Pb$	±1σ	WR	Type
W0721-1	14.82	0.697	16.53	0.91	273.4	63.4	1.22	phenocryst
W0721-3	13.59	0.627	14.01	0.931	87.24	118	-0.09	phenocryst
W0721-4	14.14	0.677	15.04	1.03	161.3	117	0.25	phenocryst
W0721-5	13.9	0.679	17.79	1.4	580.9	134	-0.10	phenocryst
W0721-6	14.42	0.679	15.24	1.12	147.2	128	0.67	phenocryst
W0721-7	13.91	0.647	17.22	1.17	508.2	118	-0.09	phenocryst
W0721-8	13.17	0.619	18.18	1.3	743.7	126	-1.29	phenocryst
W0721-9core	17.02	0.806	22.3	1.63	636.7	134	*	antecryst
W0721-9rim	15.06	0.693	15.87	1.07	141.1	121	1.58	phenocryst
W0721-10	13.08	0.656	18.51	1.95	796.8	217	-1.35	phenocryst

SIMS zircon data for monzodiorite Tmd (W40) n= 13, acceptable MSWD = ± 1.853

Spot #	$^{206}Pb/^{238}U$	±1σ	$^{207}Pb/^{235}U$	±1σ	$^{207}Pb/^{206}Pb$	±1σ	WR	Type
W0940-3	15.95	0.742	30.54	2.73	1413	156	-0.05	antecryst
W0940-4	14.89	0.585	26.01	2.22	1230	141	-0.04	phenocryst
W0940-6	15.62	0.616	35.33	4.23	1730	178	-0.60	antecryst
W0940-7	15.22	0.415	22.15	2.74	858.9	244	0.75	antecryst
W0940-9core	15.55	0.637	27.24	3.33	1237	246	-0.69	antecryst
W0940-9rim	16.58	0.608	26.88	2.1	1084	139	0.98	antecryst
W0940-10	14.94	0.584	27.93	2.55	1364	152	0.05	phenocryst
W0940-11	14.51	0.471	25.4	2.58	1234	195	-0.85	phenocryst
W0940-13	14.49	0.482	20.11	1.45	756.4	121	-0.87	phenocryst
W0940-14	15.02	0.522	22.58	2.01	926.5	179	0.21	phenocryst
W0940-17	16.23	0.615	32.88	3.36	1522	176	0.40	antecryst
W0940-18	15.3	0.528	36.84	3.38	18.45	151	0.74	phenocryst
W0940-21	15.91	0.74	38.09	4.64	1836	195	-0.85	phenocryst

SIMS zircon data for Twrm (W6) n= 10, acceptable weighted residual = ± 2.00

Spot #	$^{206}Pb/^{238}U$	±1σ	$^{207}Pb/^{235}U$	±1σ	$^{207}Pb/^{206}Pb$	±1σ	WR	Type
W076-4	13.53	0.423	21.43	1.72	1031	147	-0.98	antecryst
W076-5	14.00	0.411	23.61	1.58	1159	125	0.13	antecryst
W076-6	13.34	0.798	61.58	8.00	2973	188	-0.76	antecryst
W076-8	12.45	0.351	29.46	1.95	1807	101	-0.40	phenocryst
W076-11	12.95	0.364	23.27	1.72	1283	139	0.99	phenocryst
W076-12	13.65	0.425	26.66	2.08	1447	131	-0.69	antecryst
W076-13	12.26	0.908	22.33	1.66	1310	115	-0.36	phenocryst
W076-17	14.43	0.551	37.67	3.42	1990	116	0.88	antecryst
W076-18	16.18	0.504	92.03	6.33	3328	82.2	*	antecryst
W076-22	14.67	0.494	30.32	2.80	1558	172	1.47	antecryst
W076-23	12.36	0.446	21.58	1.43	1225	101	-0.52	phenocryst

SIMS zircon data for Twrm (W5) n= 13, acceptable MSWD = ± 1.853

Spot #	$^{206}Pb/^{238}U$	±1σ	$^{207}Pb/^{235}U$	±1σ	$^{207}Pb/^{206}Pb$	±1σ	WR	Type
W075-1	13.73	0.335	15.25	0.58	261.6	63.4	0.45	phenocryst
W075-2	13.68	0.453	28.66	2.13	1581	114	0.22	phenocryst
W075-4	13.91	0.496	30.89	4.04	1692	213	0.66	phenocryst
W075-5	14.67	0.553	34.32	2.98	1789	110	1.97*	antecryst
W075-6rim	13.72	0.494	27.00	2.88	1461	182	0.28	phenocryst
W075-6core	13.41	0.339	21.09	1.41	1016	118	-0.50	phenocryst
W075-7	13.07	0.328	21.41	1.61	1099	134	-1.56	phenocryst
W075-10	13.04	0.469	32.41	3.12	1898	174	-1.15	phenocryst
W075-12	12.94	0.544	38.81	3.30	2235	143	-1.18	phenocryst
W075-24rim	13.15	0.277	19.64	0.74	909.1	57.5	-1.56	phenocryst
W075-24core	14.09	0.397	30.46	1.78	1642	91.7	1.28	phenocryst
W075-27	14.73	0.384	19.98	0.898	708.5	69.2	2.99*	antecryst
W075-32	13.15	0.485	29.05	2.19	1680	123	-0.89	phenocryst

SIMS zircon data for Twrd (W30) n=12, acceptable MSWD= ± 1.894

Spot #	$^{206}Pb/^{238}U$	±1σ	$^{207}Pb/^{235}U$	±1σ	$^{207}Pb/^{206}Pb$	±1σ	WR	Type
W0730-1	13.42	0.591	42.3	3.41	2324	105	0.80	phenocryst
W0730-2	13.69	0.399	24.34	1.89	1264	131	-1.53	antecryst
W0730-3	13.96	0.529	16.36	1.48	385	192	-0.64	antecryst
W0730-3rim	14.05	0.505	21.62	1.38	972.7	121	-0.50	antecryst
W0730-4rim	14.47	0.457	36.03	3.11	1905	155	0.37	antecryst
W0730-4core	14.55	0.509	29.25	2.68	1505	141	0.49	antecryst
W0730-6rim	15.14	0.444	36.57	2.67	1849	120	0.92	antecryst
W0730-7	12.25	0.438	26.54	2.67	1642	169	-1.60	phenocryst
W0730-9	12.83	0.365	22.67	1.14	1250	84.7	-0.33	phenocryst
W0730-12	12.86	0.492	38.70	3.51	2241	140	-0.18	phenocryst
W0730-24	13.22	0.293	17.52	1.00	655.6	120	0.92	phenocryst
W0730-28	13.01	0.385	18.16	1.07	767.1	93.0	0.16	phenocryst

SIMS zircon data for Tid (W0721) n = 10, acceptable MSWD = ± 2.00

Spot #	$^{206}Pb/^{238}U$	±1σ	$^{207}Pb/^{235}U$	±1σ	$^{207}Pb/^{206}Pb$	±1σ	WR	Type
W0721-10	13.08	0.656	18.51	1.95	796.8	217	-1.35	phenocryst
W0721-8	13.17	0.619	18.18	1.30	743.4	126	-1.29	phenocryst
W0721-3	13.59	0.627	14.01	0.931	87.24	118	-0.60	phenocryst
W0721-5	13.90	0.679	17.79	1.40	580.9	134	-0.10	phenocryst
W0721-7	13.91	0.647	17.22	1.17	508.2	118	-0.60	phenocryst
W0721-4	14.14	0.677	15.04	1.03	161.3	117	0.25	phenocryst
W0721-6	14.42	0.679	15.24	1.12	147.2	128	0.67	phenocryst
W0721-1	14.82	0.697	16.53	0.910	273.4	63.4	1.22	phenocryst
W0721-9rim	15.06	0.693	15.87	1.07	141.1	121	1.58	phenocryst
W0721-9core*	17.02	0.806	22.30	1.63	636.7	134	N/A	antecryst

SIMS zircon data for Twrm (W39) n=11, acceptable MSWD = ± 1.943

Spot #	$^{206}Pb/^{238}U$	±1σ	$^{207}Pb/^{235}U$	±1σ	$^{207}Pb/^{206}Pb$	±1σ	WR	Type
GR16-1	13.89	0.780	11.65	4.04	-1 0.0128	-0.34	phenocryst	
GR16-2	14.76	0.849	13.61	3.31	-1 0.01	1.32	phenocryst	
GR16-3	13.24	0.742	3.397	5.04	-1 0.0174	-0.54	phenocryst	
GR16-4	12.99	0.831	2.326	5.47	-1 0.0193	-0.78	phenocryst	
GR16-5	13.68	0.734	7.181	4.97	-1 0.0164	0.06	phenocryst	
GR16-6	13.39	0.732	13.06	3.9	-1 0.0128	-0.34	phenocryst	
GR16-7	13.66	0.784	10.5	3.59	-1 0.0116	0.03	phenocryst	
GR16-8	14.64	0.861	12.09	3.17	-1 0.00943	1.16	phenocryst	
GR16-9	13.17	0.528	8.528	2.5	-1 0.00851	-0.89	phenocryst	
GR16-10	14.29	0.799	13.14	2.98	-1 0.00919	0.81	phenocryst	
GR16-11	13.37	0.652	8.871	2.72	-1 0.00908	-0.41	phenocryst	

SIMS zircon data for Trg (R25) n=10 , acceptable MSWD = ± 2.00

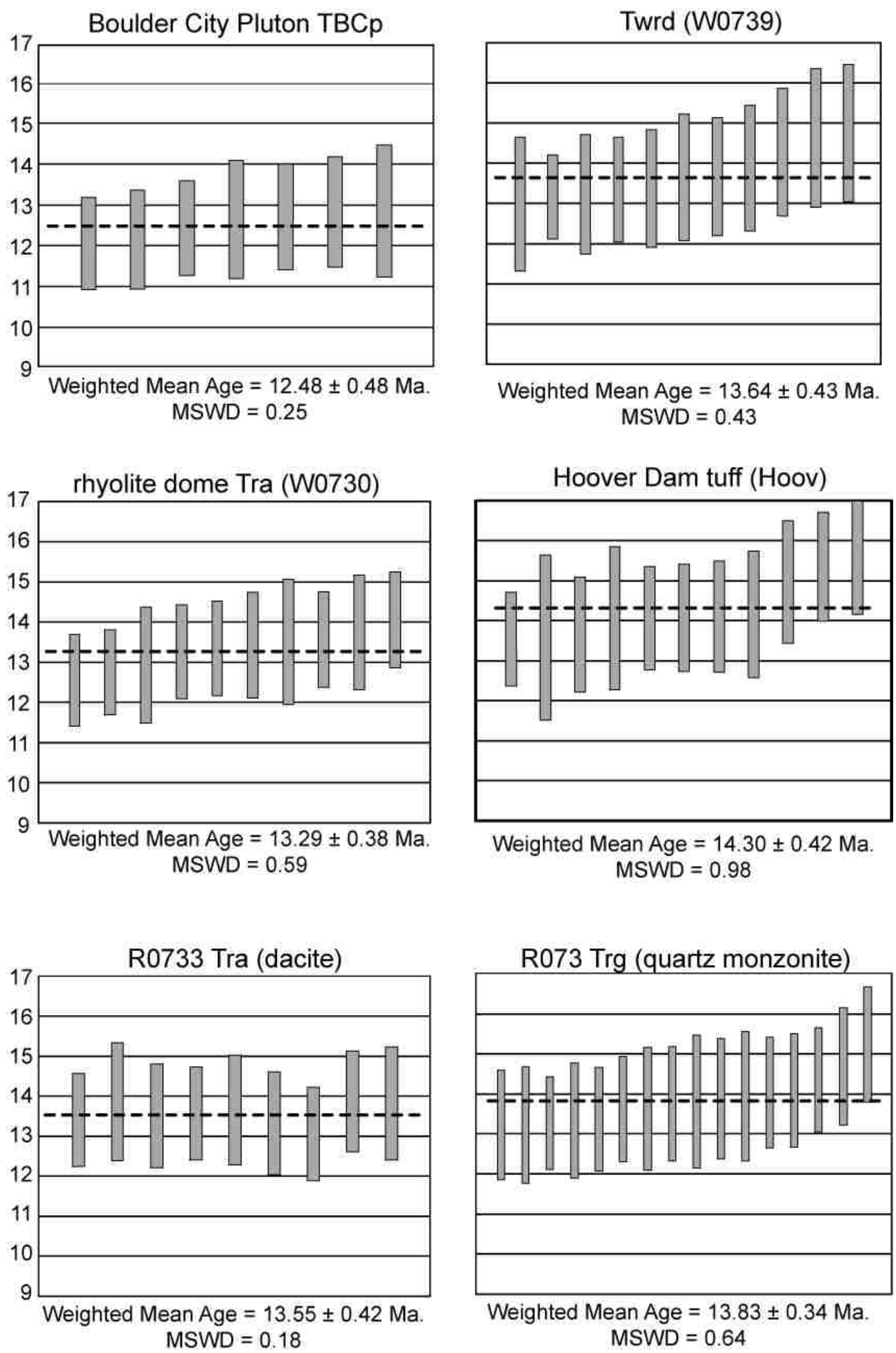
Spot #	$^{206}Pb/^{238}U$	±1σ	$^{207}Pb/^{235}U$	±1σ	$^{207}Pb/^{206}Pb$	±1σ	WR	Type
R0725-1	13.29	0.590	16.32	1.43	489.3	189	-1.70	phenocryst
R0725-2	13.68	0.573	19.99	2.77	865.8	268	-1.07	phenocryst
R0725-5rim	14.5	0.703	17.10	2.04	400.7	231	0.29	phenocryst
R0725-5core	15.79	0.968	23.84	3.84	936.2	290	0.93	phenocryst
R0725-6	15.04	1.24	23.05	3.58	966.0	374	0.60	phenocryst
R0725-7	15.24	1.02	40.67	7.06	2032	290	1.55	phenocryst
R0725-8	15.37	1.02	27.20	5.13	1256	342	1.06	phenocryst
R0725-9rim	14.9	0.944	23.26	2.64	1003	242	0.64	phenocryst
R0725-9core	15.15	0.813	25.83	3.31	1182	270	1.05	phenocryst
R0725-10	13.46	0.704	22.52	4.69	1143	373	-1.18	phenocryst

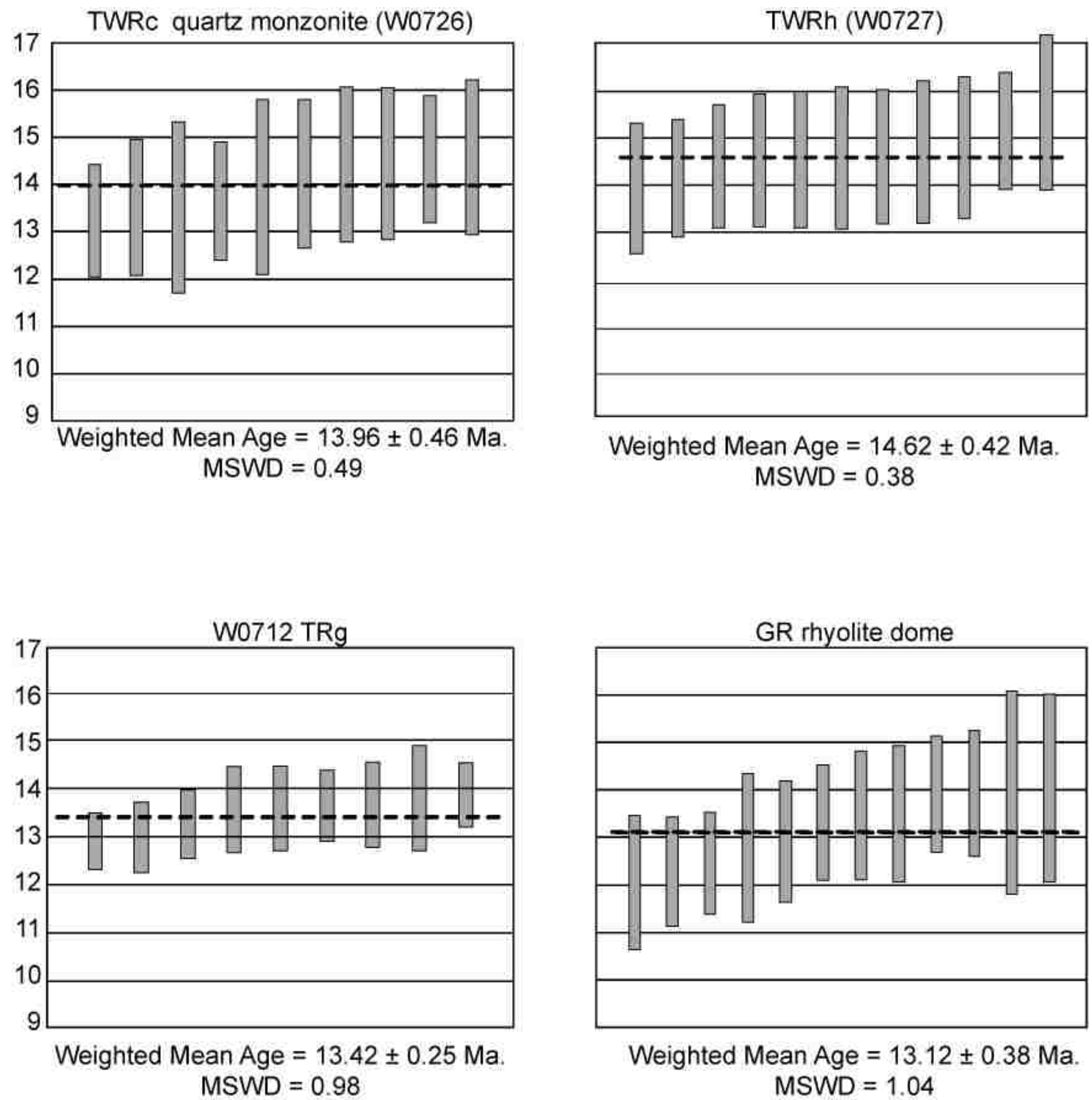
SIMS zircon data for Tpd2 (R34) n= 15 acceptable MSWD = ± 1.784

Spot #	$^{206}Pb/^{238}U$	±1σ	$^{207}Pb/^{235}U$	±1σ	$^{207}Pb/^{206}Pb$	±1σ	WR	Type
R0734-6	12.21	0.541	15.25	1.30	526.5	158	-0.36	phenocryst
R0734-8	12.57	0.499	16.61	1.36	648.7	162	0.33	phenocryst
R0734-4	13.77	0.489	14.97	0.97	212.3	137	-1.52	antecryst
R0734-7	13.80	0.602	15.02	1.05	215.3	124	-1.18	antecryst
R0734-1	14.01	0.564	16.19	1.20	354.7	144	-0.89	antecryst
R0734-9	14.19	0.590	62.44	4.25	2895	66.0	-0.55	antecryst
R0734-2	14.29	0.835	20.34	2.48	810.3	250	-0.27	antecryst
R0734-12	14.48	0.662	15.37	1.51	157.0	197	-0.05	antecryst
R0734-3	14.93	0.705	18.17	1.24	470.6	92.8	0.59	antecryst
R0734-13	15.12	0.793	39.52	6.83	1994	247	0.77	antecryst
R0734-11	15.19	0.789	19.04	1.49	536.2	148	0.86	antecryst
R0734-11rim	15.19	0.701	19.63	1.53	604.0	153	0.97	antecryst
R0734-5	15.26	0.780	30.76	3.93	1510	190	0.96	antecryst
R0734-2rim	15.54	0.843	16.16	1.45	109.1	161	1.22	antecryst
R0734-10	16.40	1.360	69.38	21.0	2837	387	1.39	xenocryst

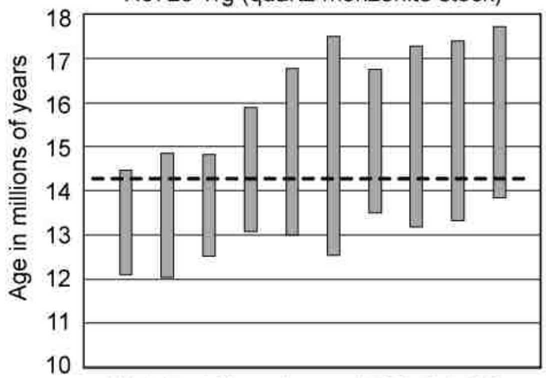
SIMS zircon data for Tpd2 (R34) second batch, same sample n= 10 acceptable residual = ± 2.00

Spot #	$^{206}Pb/^{238}U$	±1σ	$^{207}Pb/^{235}U$	±1σ	$^{207}Pb/^{206}Pb$	±1σ	WR	Type
R0734-13	10.87	0.915	-5.723	25.8	-1	-0.11	2.88	rejected
R0734-15	12.19	0.400	9.835	3.6	-1	0.0134	3.28	phenocryst
R0734-2	12.61	0.535	9.659	5.94	-1	0.0212	-1.67	phenocryst
R0734-8	13.47	0.466	11.28	2.94	-1	0.00968	-0.07	antecryst
R0734-12	13.72	0.492	17.7	3.92	599.3	452	0.44	antecryst
R0734-8core	13.78	0.393	4.881	3.61	-1	0.0131	0.71	antecryst
R0734-34core	13.97	0.633	24.42	6.16	1230	457	0.74	antecryst
R0734-23	14.25	0.485	9.823	4.16	-1	0.0131	1.54	antecryst
R0734-34rim	14.40	0.608	27.08	6.83	1375	436	1.48	antecryst
R0734-5	15.02	0.545	14.94	4.21	3.192	648	2.79	antecryst

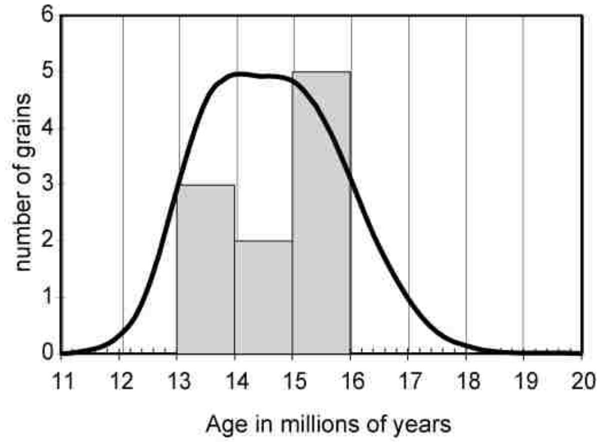

Boulder City Pluton TBCp
17
16
15
14
13
12
11
10
9
Weighted Mean Age = 12.48 ± 0.48 Ma.
MSWD = 0.25
Twrd (W0739)
Weighted Mean Age = 13.64 ± 0.43 Ma.
MSWD = 0.43
rhyolite dome Tra (W0730)
17
16
15
14
13
12
11
10
9
Weighted Mean Age = 13.29 ± 0.38 Ma.
MSWD = 0.59
Hoover Dam tuff (Hoov)
Weighted Mean Age = 14.30 ± 0.42 Ma.
MSWD = 0.98
R0733 Tra (dacite)
17
16
15
14
13
12
11
10
9
Weighted Mean Age = 13.55 ± 0.42 Ma.
MSWD = 0.18
R073 Trg (quartz monzonite)
Weighted Mean Age = 13.83 ± 0.34 Ma.
MSWD = 0.64

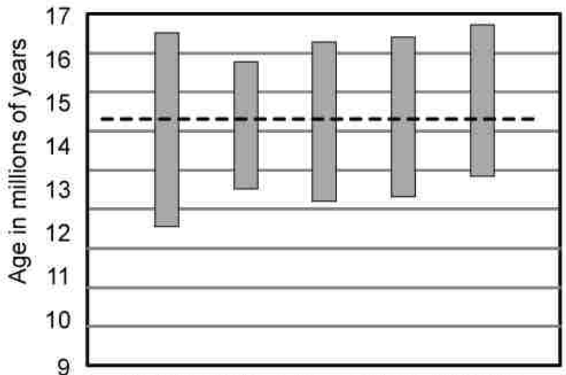

TWRc quartz monzonite (W0726)
17
16
15
14
13
12
11
10
9
Weighted Mean Age = 13.96 ± 0.46 Ma.
MSWD = 0.49
TWRh (W0727)
Weighted Mean Age = 14.62 ± 0.42 Ma.
MSWD = 0.38
W0712 TRg
17
16
15
14
13
12
11
10
9
Weighted Mean Age = 13.42 ± 0.25 Ma.
MSWD = 0.98
GR rhyolite dome
Weighted Mean Age = 13.12 ± 0.38 Ma.
MSWD = 1.04

R0725 Trg (quartz monzonite stock)

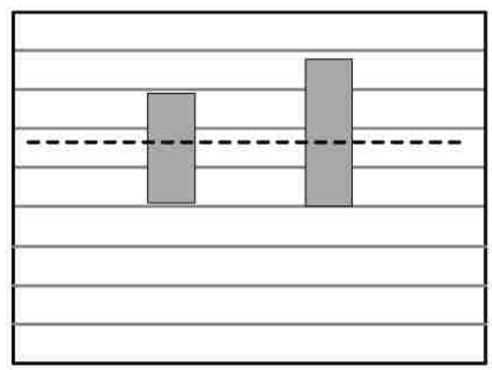


Weighted Mean Age = 14.29 0.64 Ma.
MSWD = 1.3

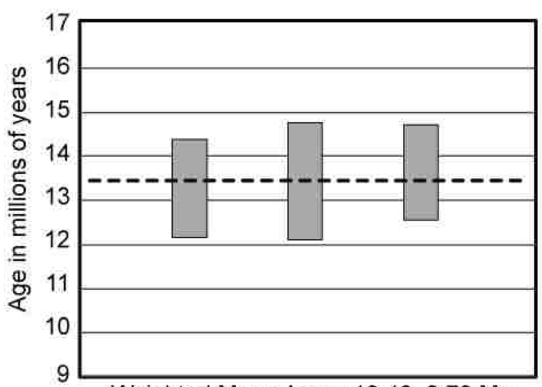




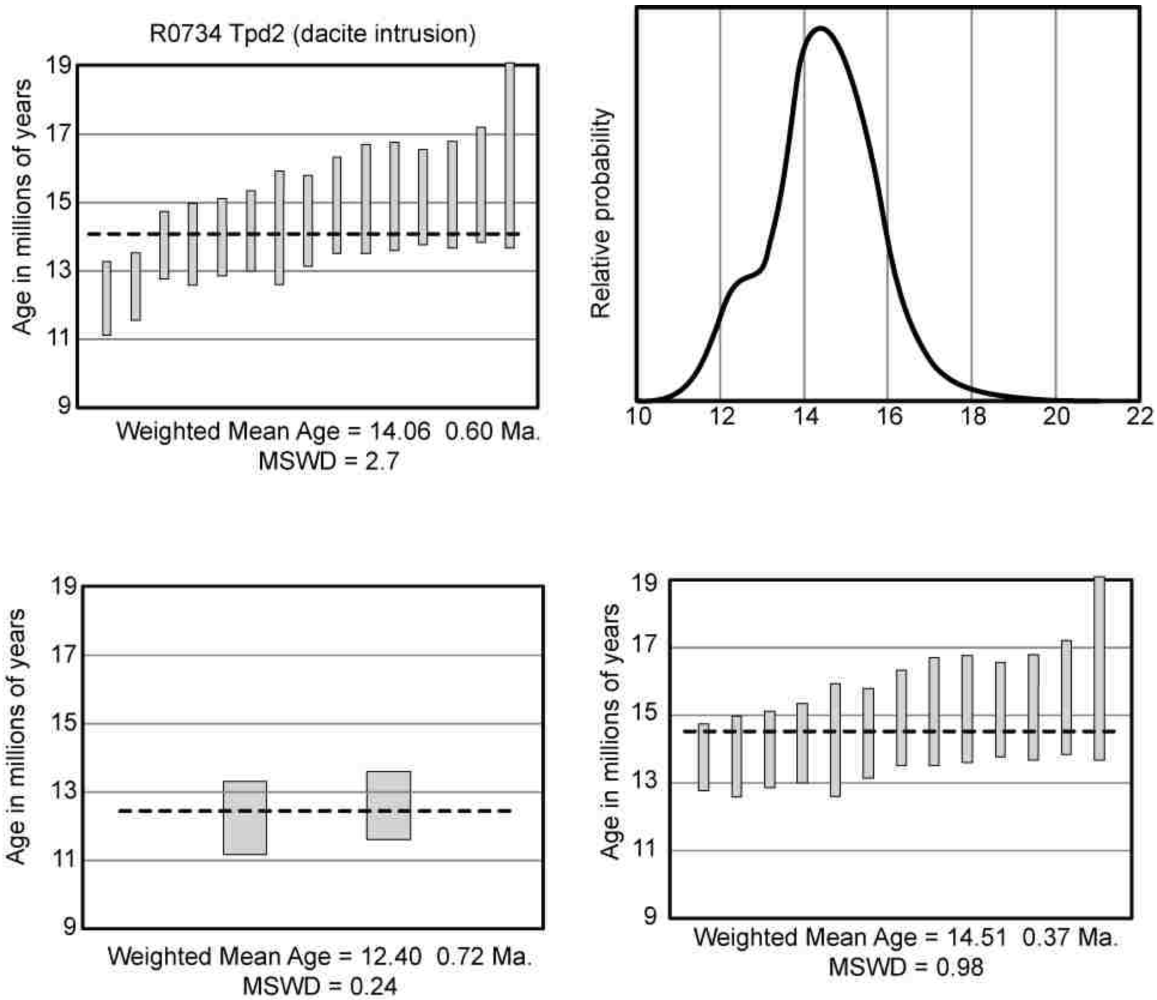
Weighted Mean Age = 15.33 0.86 Ma.
MSWD = 0.085



Weighted Mean Age = 14.6 1.1 Ma.
MSWD = 0.115



Weighted Mean Age = 13.48 0.70 Ma.
MSWD = 0.113


R0734 Tpd2 (dacite intrusion)
Age in millions of years
Weighted Mean Age = 14.06 0.60 Ma.
MSWD = 2.7
Relative probability
Age in millions of years
Weighted Mean Age = 12.40 0.72 Ma.
MSWD = 0.24
Age in millions of years
Weighted Mean Age = 14.51 0.37 Ma.
MSWD = 0.98

APPENDIX C: Sr and Nd Isotopic Data

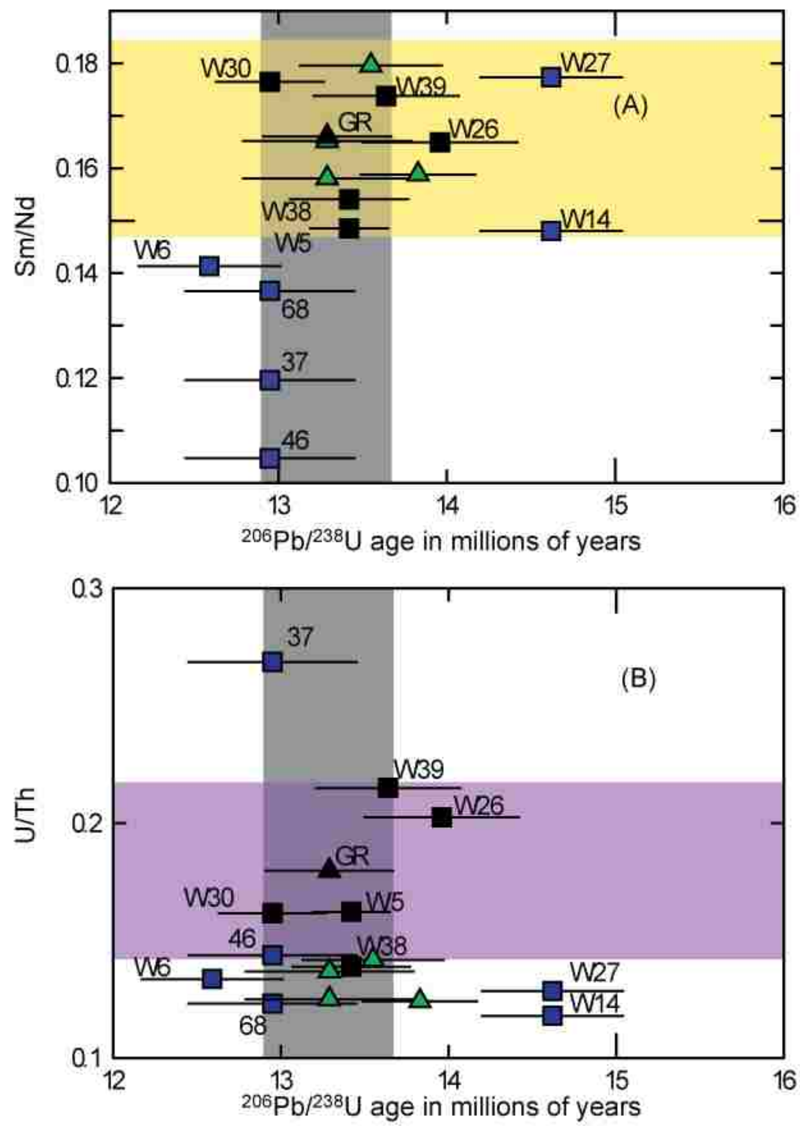
$^{87}Sr/^{86}Sr$ Data

		Measured Ratios		Initial Ratios	
Sample	n	$(^{87}Sr/^{86}Sr)_m$	2σ	$(^{87}Sr/^{86}Sr)_i$	2σ
R03	150	0.709522	10×10^{-7}	0.709392	10×10^{-7}
W05	150	0.710928	10×10^{-7}	0.710690	10×10^{-7}
W06	150	0.710048	11×10^{-7}	0.709760	11×10^{-7}
W09	150	0.710512	8×10^{-7}	0.710479	8×10^{-7}
W14	150	0.709892	10×10^{-7}	0.709795	10×10^{-7}
W15	150	0.707991	8×10^{-7}	0.707753	8×10^{-7}
W21	150	0.708536	11×10^{-7}	0.708515	11×10^{-7}
R024	150	0.709934	8×10^{-7}	0.709834	8×10^{-7}
W27	150	0.714375	11×10^{-7}	0.712564	11×10^{-7}
R29	150	0.709053	10×10^{-7}	0.709795	10×10^{-7}
R31	150	0.710833	11×10^{-7}	0.710557	11×10^{-7}
R32	150	0.710387	10×10^{-7}	0.709687	10×10^{-7}
R33	150	0.710747	9×10^{-7}	0.710733	9×10^{-7}
R34	150	0.708514	10×10^{-7}	0.708428	10×10^{-7}
W36	150	0.707307	8×10^{-7}	0.707275	8×10^{-7}
W38	150	0.711664	8×10^{-7}	0.711512	8×10^{-7}
W39	150	0.709199	10×10^{-7}	0.709159	10×10^{-7}
W41	150	0.708425	11×10^{-7}	0.708351	11×10^{-7}
W42	150	0.707671	10×10^{-7}	0.707651	10×10^{-7}
GR	100	0.710514	23×10^{-7}	0.709604	23×10^{-7}
Hoov	100	0.710900	23×10^{-7}	0.710355	23×10^{-7}
BCP	100	0.708359	23×10^{-7}	0.708316	23×10^{-7}
RRP	100	0.710998	23×10^{-7}	0.710767	23×10^{-7}
R25	100	0.709579	23×10^{-7}	0.709491	23×10^{-7}
W26	100	0.709648	23×10^{-7}	0.709270	23×10^{-7}
W30	100	0.711953	23×10^{-7}	0.710322	23×10^{-7}

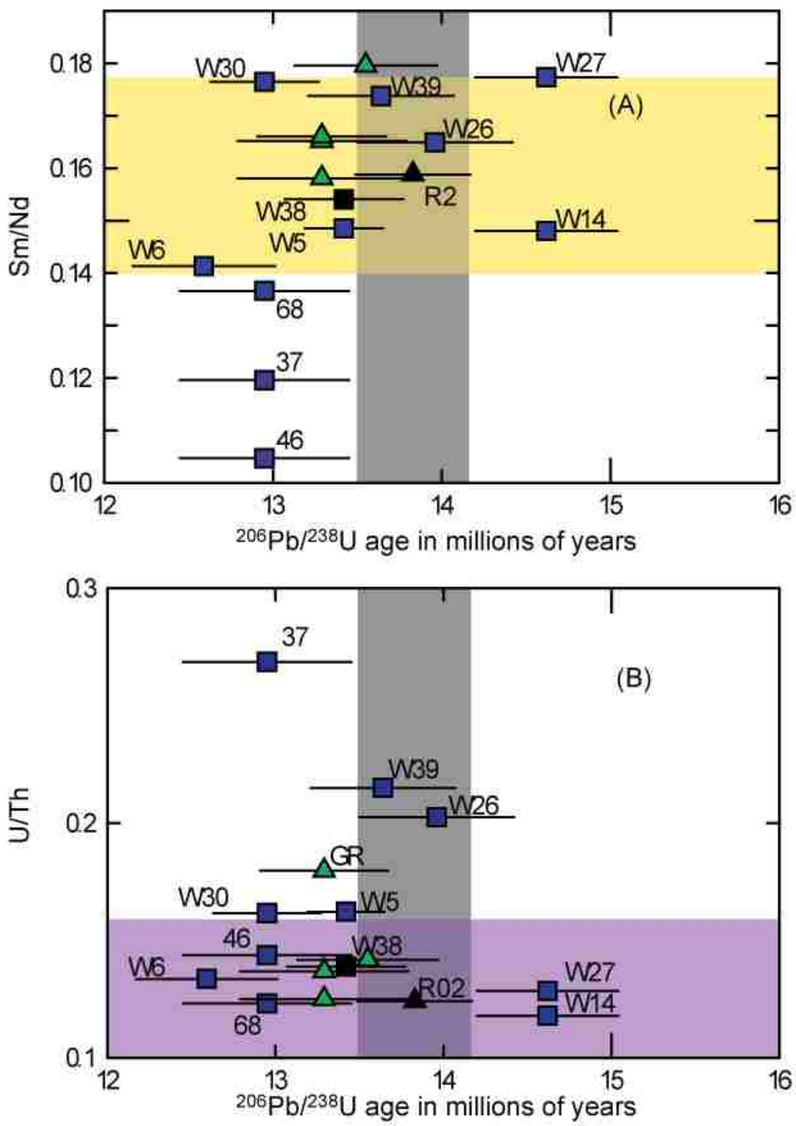
$^{143}Nd/^{144}Nd$ Data

Sample	n	Measured Ratios $(^{143}Nd/^{144}Nd)_m$	2σ	Initial Ratios $(^{143}Nd/^{144}Nd)_i$	2σ	End
R3	143	0.511963	$9x10^{-7}$	0.511954	$9x10^{-7}$	-13.1672
W5	139	0.512071	$12x10^{-7}$	0.512063	$12x10^{-7}$	-11.0604
W6	144	0.512047	$9\ x10^{-7}$	0.511979	$9\ x10^{-7}$	-11.5286
W9	143	0.512016	$11\ x10^{-7}$	0.511984	$11\ x10^{-7}$	-12.1333
W14	143	0.512072	$9\ x10^{-7}$	0.512064	$9\ x10^{-7}$	-11.0409
W15	147	0.512108	$9\ x10^{-7}$	0.512100	$9\ x10^{-7}$	-10.3387
W21	146	0.512211	$9\ x10^{-7}$	0.512079	$9\ x10^{-7}$	-8.32947
R24	126	0.512048	$47\ x10^{-7}$	0.5120481	$47\ x10^{-7}$	-11.5091
W29	149	0.512213	$10\ x10^{-7}$	0.512205	$10\ x10^{-7}$	-8.29045
R31	143	0.512006	$11\ x10^{-7}$	0.511998	$11\ x10^{-7}$	-12.3284
R32	145	0.511917	$12\ x10^{-7}$	0.511909	$12\ x10^{-7}$	-14.0645
R33	127	0.511905	$11\ x10^{-7}$	0.511896	$11\ x10^{-7}$	-14.2986
R34	50	0.512116	$9\ x10^{-7}$	0.512069	$9\ x10^{-7}$	-10.1826
R36	141	0.512281	$11\ x10^{-7}$	0.512273	$11\ x10^{-7}$	-6.96398
W38	130	0.511905	$11\ x10^{-7}$	0.511897	$11\ x10^{-7}$	-14.2986
W39	142	0.511978	$11x10^{-7}$	0.511969	$11\ x10^{-7}$	-12.8746
W41	143	0.512024	$10\ x10^{-7}$	0.512011	$10\ x10^{-7}$	-11.9773
W42	143	0.512258	$10\ x10^{-7}$	0.512251	$10\ x10^{-7}$	-7.41264
Hoov	100	0.512105	$23\ x10^{-7}$	0.512096	$23\ x10^{-7}$	-10.3933
BCP	100	0.512192	$23\ x10^{-7}$	0.512182	$23\ x10^{-7}$	-8.69815
R25	100	0.512054	$23\ x10^{-7}$	0.512045	$23\ x10^{-7}$	-11.3843
W30	100	0.511929	$23\ x10^{-7}$	0.511920	$23\ x10^{-7}$	-13.8207
W26	100	0.512078	$23\ x10^{-7}$	0.512070	$23\ x10^{-7}$	-10.9180
GR	100	0.512013	$23\ x10^{-7}$	0.512005	$23\ x10^{-7}$	-12.1840
RRP	100	0.512145	$23\ x10^{-7}$	0.512145	$23\ x10^{-7}$	-9.42771

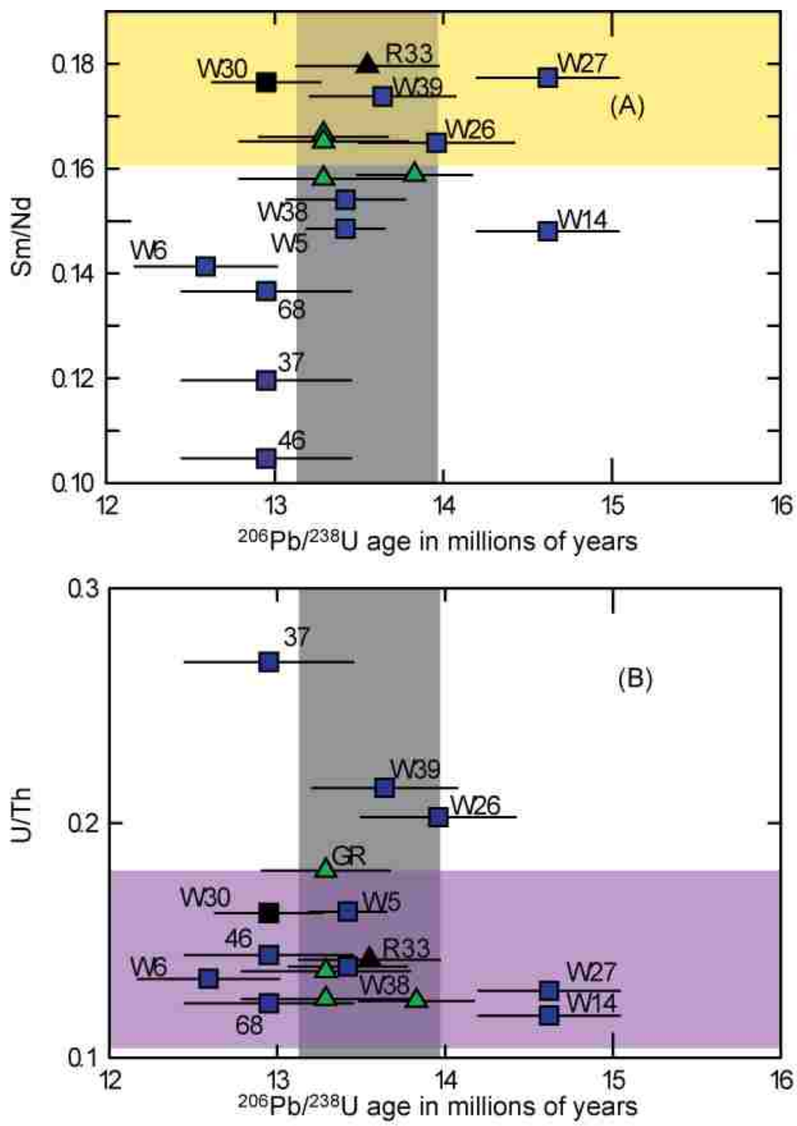
SiO_2 – TiO_2 Group 1



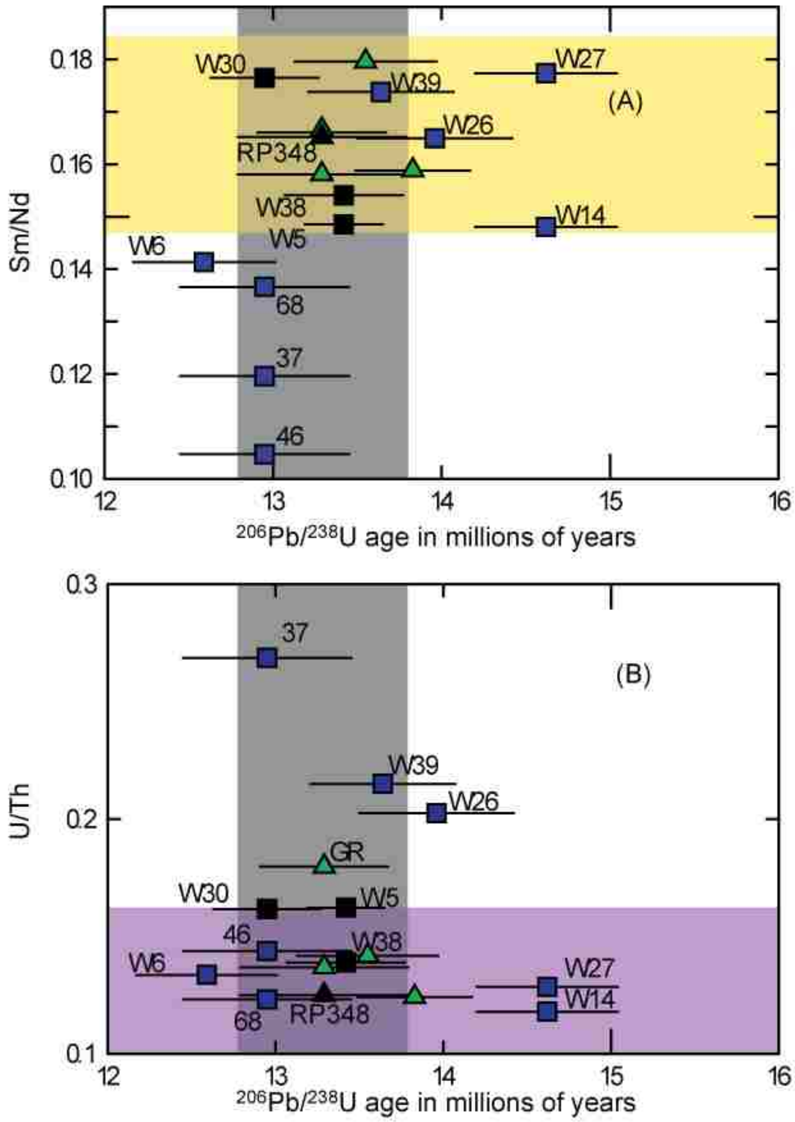
$^{206}Pb/^{238}U$ age vs. Sm/Nd (A) and U/Th (B) plots for SiO_2-TiO_2 group (55-65 wt.% SiO_2). Triangles represent volcanic samples, squares represent plutonic samples, and horizontal lines reflect the uncertainty associated with the age of each sample. Plutonic samples that overlap in age (gray vertical field) with rhyolite dome (GR; black triangle) include 37, 46, 68, W5, W6, W26, W30, W38, and W39 Of these age equivalent samples only W30, W39, W26, W38, and W5 are within +/-25% of groups variation in Sm/Nd (horizontal yellow field) from sample GR. Of these, only W5, W26, W30, W38, and W39 are also within +/- 25% of the groups U/Th variation (horizontal purple field) from GR. Therefore, the plutonic samples in this group that is cogenetic with the rhyolite dome GR are quatz monzonites (W5 and W26) and rhyolite dikes (W30 and W39) (black squares).



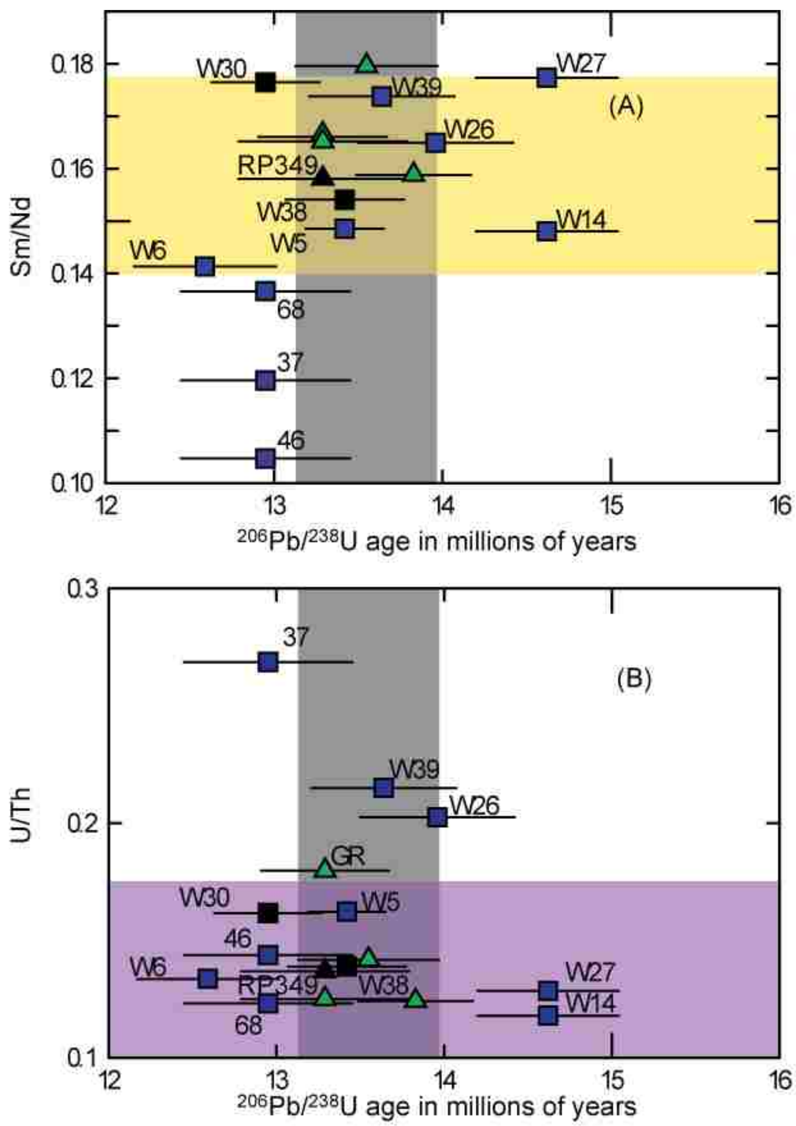
Volcanic - plutonic correlations for the River Mountains stock (R02, black triangle) based on $^{206}Pb/^{238}U$ age vs. Sm/Nd (A) and U/Th (B) plots for SiO_2-TiO_2 group 1 (55-65 wt.% SiO_2). Triangles represent volcanic samples, squares represent plutonic samples, and horizontal lines reflect the uncertainty associated with the age of each sample. Plutonic samples that overlap in age (gray vertical field) with rhyolite dome (R02; black triangle) include W5, W26, W38, and W39. All of these age equivalent samples are are also within +/-25% of groups variation in Sm/Nd (horizontal yellow field) from sample R02. Of these, W38 is the only one also within +/-25% of the groups U/Th variation (horizontal purple field) from R02. Therefore, the plutonic samples in this group that is cogenetic with this sample of the River Mountains stock (R02) is quatz monzonite (W38, black squares).



Volcanic - plutonic correlations for rhyolite sill sample (R33, black triangle) based on $^{206}Pb/^{238}U$ age vs. Sm/Nd (A) and U/Th (B) plots for SiO_2-TiO_2 group 1 (55-65 wt.% SiO_2). Triangles represent volcanic samples, squares represent plutonic samples, and horizontal lines reflect the uncertainty associated with the age of each sample. Plutonic samples that overlap in age (gray vertical field) with rhyolite sill (R33; black triangle) include 37, 46, 68, W05, W06, W26, W30, W38, W39. Of these age equivalent samples W26, W30, and W39 are also within +/-25% of groups variation in Sm/Nd (horizontal yellow field) from sample R33. Of these samples only W30 is within +/- 25% of the groups U/Th variation (horizontal purple field) from R33. Therefore, the plutonic sample in this group that are cogenetic with this sample of the rhyolite sill (R33) is rhyolite dike (W30).

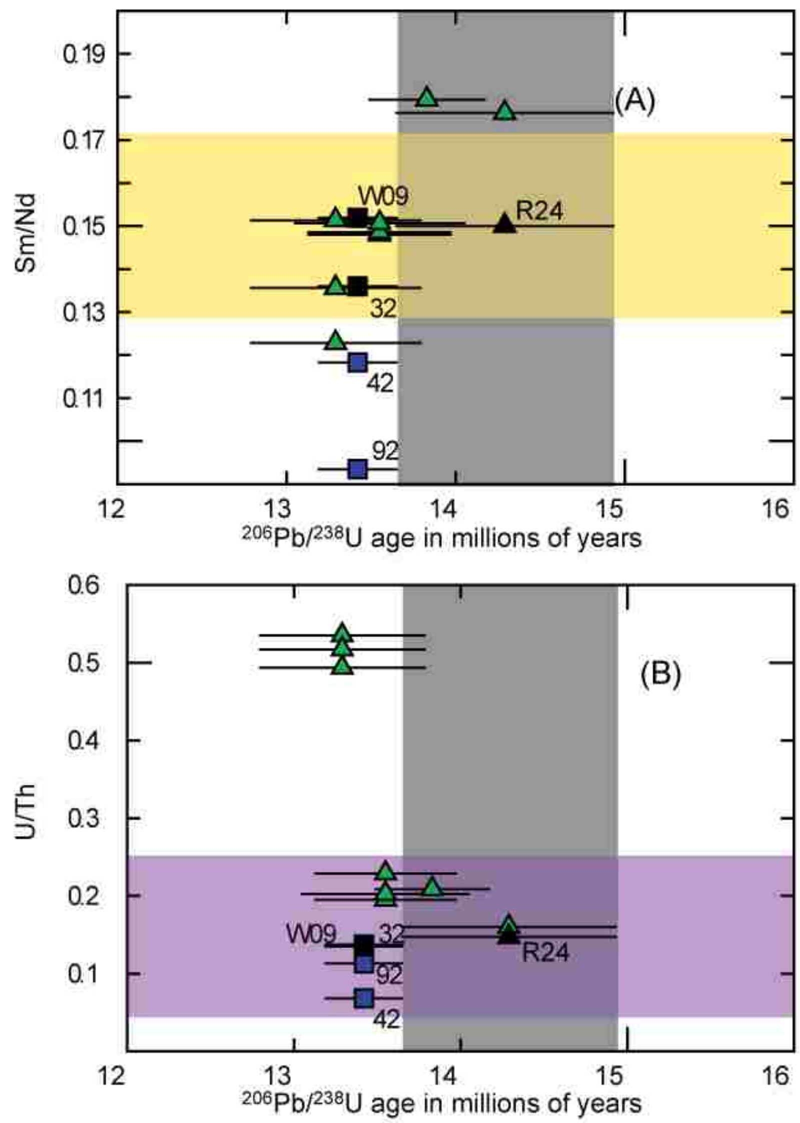


Volcanic - plutonic correlations for rhyolite flow sample (RP348, black triangle) based on $^{206}Pb/^{238}U$ age vs. Sm/Nd (A) and U/Th (B) plots for SiO_2-TiO_2 group 1 (55-65 wt.% SiO_2). Triangles represent volcanic samples, squares represent plutonic samples, and horizontal lines reflect the uncertainty associated with the age of each sample. Plutonic samples that overlap in age (gray vertical field) with rhyolite flow (RP348; black triangle) include 37, 46, 68, W05, W06, W26, W30, W38, W39. Of these age equivalent samples W05, W26, W30, W38, and W39 are also within +/-25% of groups variation in Sm/Nd (horizontal yellow field) from sample RP348. Of these, W5, W30, and W38 are also within +/- 25% of the groups U/Th variation (horizontal purple field) from RP348. Therefore, the plutonic sample in this group that are cogenetic with this sample of the River Mountains stock (RP348) are quatz monzonites (W05 and W38, black squares) and rhyolite dike (W30).

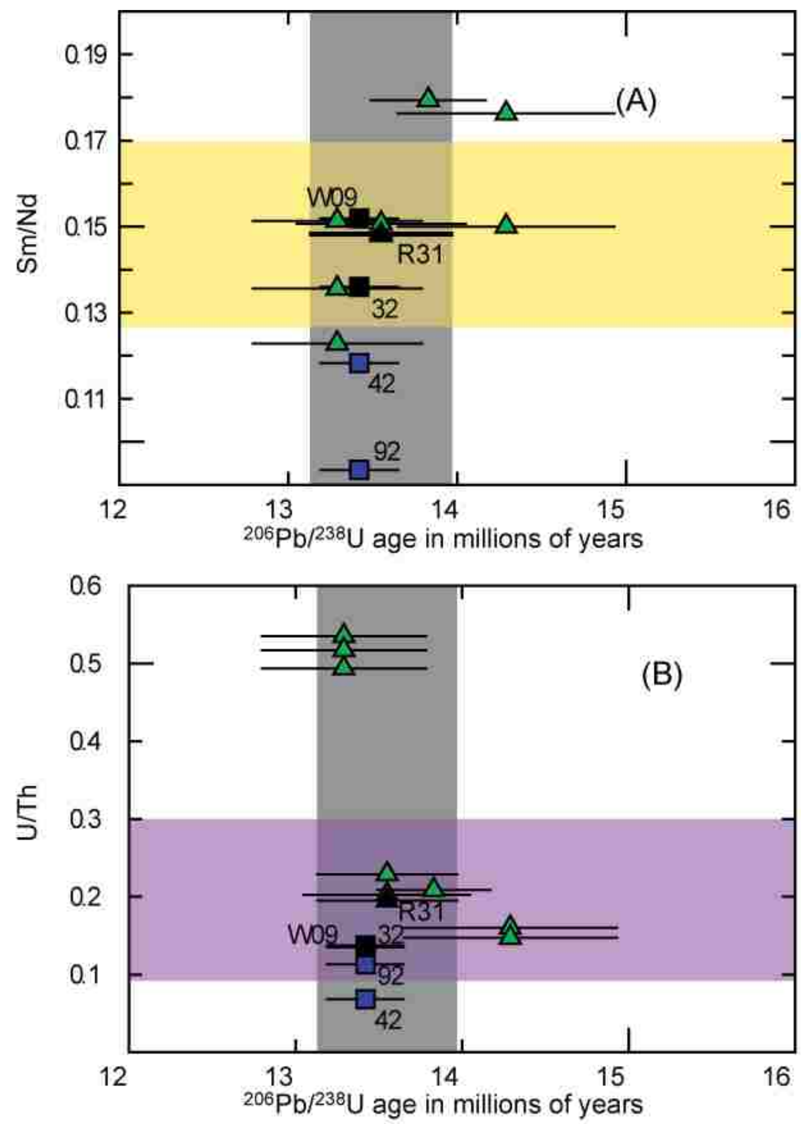


Volcanic - plutonic correlations for a rhyolite flow (RP349, black triangle) based on $^{206}Pb/^{238}U$ age vs. Sm/Nd (A) and U/Th (B) plots for SiO_2-TiO_2 group 1 (55-65 wt.% SiO_2). Triangles represent volcanic samples, squares represent plutonic samples, and horizontal lines reflect the uncertainty associated with the age of each sample. Plutonic samples that overlap in age (gray vertical field) with rhyolite flow (RP349; black triangle) include 37, 46, 68, W05, W06, W26, W30, W38, W39. Of these age equivalent samples W05, W26, W30, W38, and W39 are also within +/-25% of groups variation in Sm/Nd (horizontal yellow field) from sample RP349. Of these samples, W05, W30, and W38 are also within +/- 25% of the groups U/Th variation (horizontal purple field) from RP349. Therefore, the plutonic samples in this group that are cogenetic with this sample of the rhyolite flow (RP349) are quartz monzonites (W05 and W38) and rhyolite dike (W30).

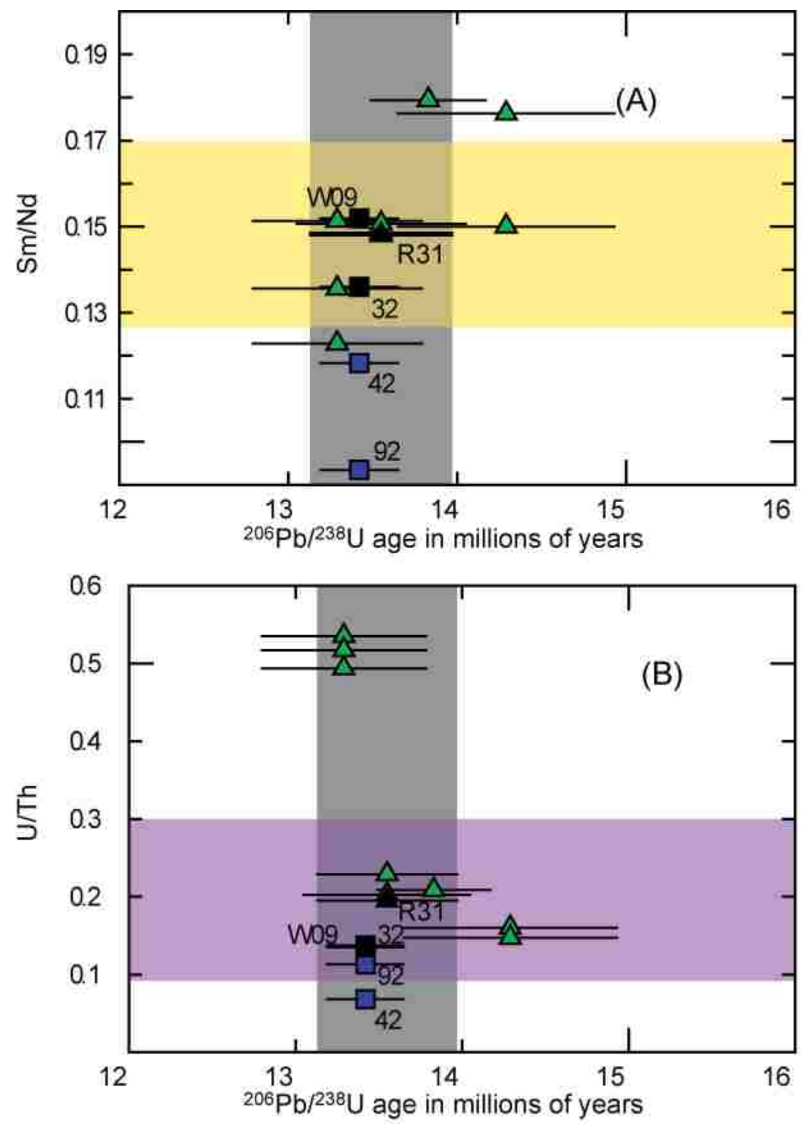
$SiO_2 - TiO_2$ Group 2



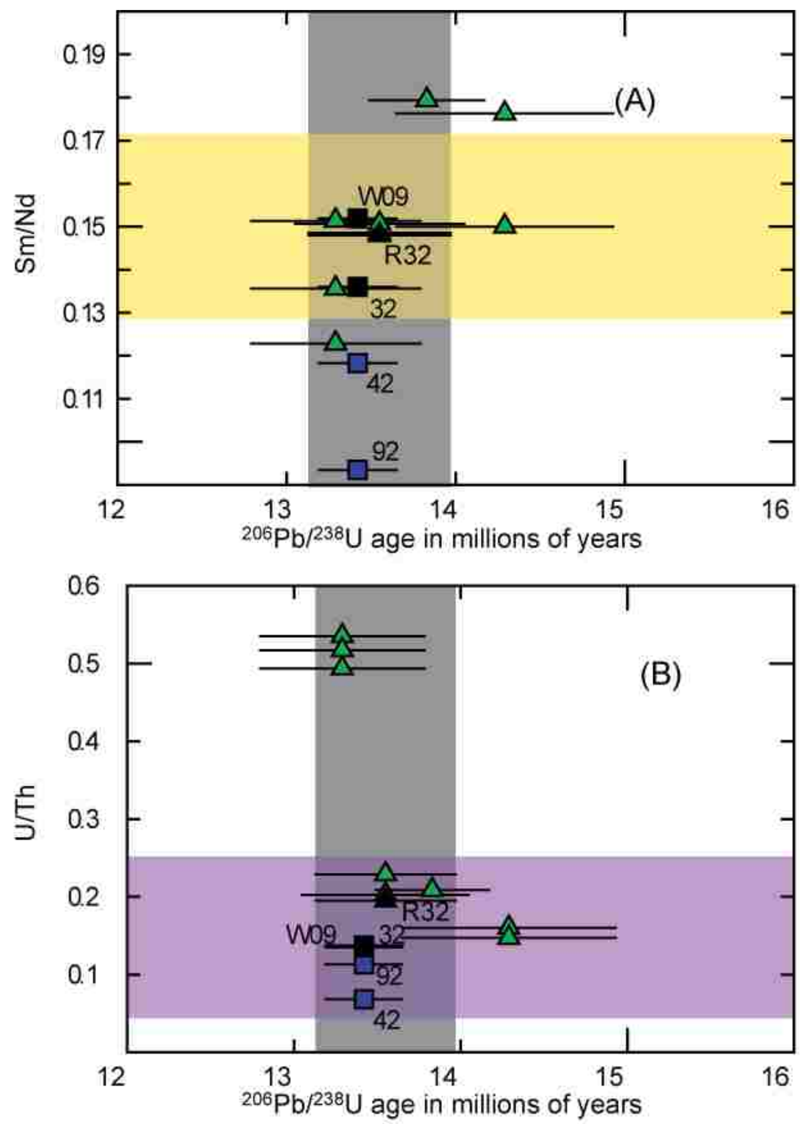
Plutonic equivalents for the River Mountains stock (R24) based on $^{206}Pb/^{238}U$ age vs. Sm/Nd (A) and U/Th (B) plots for SiO_2-TiO_2 group 2 (55-65 wt.% SiO_2). Triangles represent volcanic samples, squares represent plutonic samples, and horizontal lines reflect the uncertainty associated with the age of each sample. Plutonic samples that overlap in age (gray vertical field) with R24 include 32, 42, 92, and W09. All of these age equivalent samples are also within +/- 25% of the groups U/Th variation (horizontal purple field) from R24. Of these, only samples only 32 and W09 are within +/-25% of groups variation in Sm/Nd (horizontal yellow field) from sample R24. Therefore, the only plutonic samples in this group that is cogenetic with the River Mountains sample (R24) are quartz monzonites W09 and 32 (black squares).



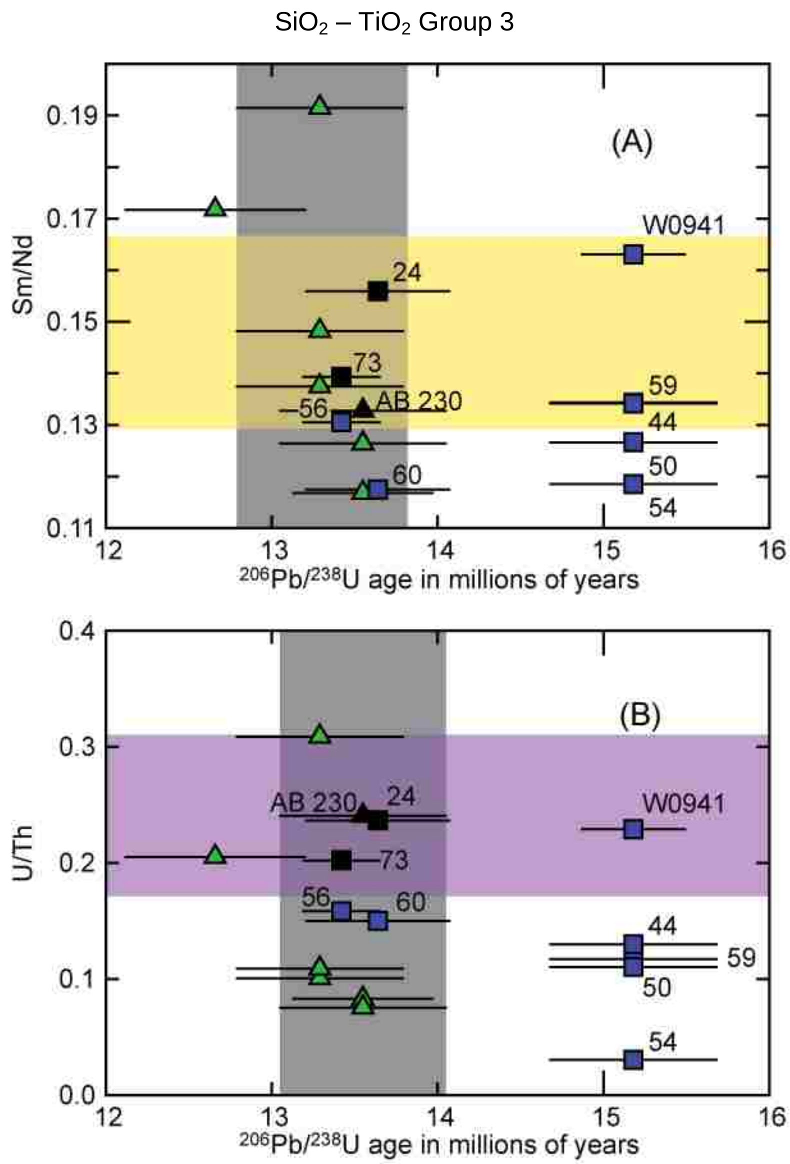
Plutonic equivalents for the dacite flow (R31) based on $^{206}Pb/^{238}U$ age vs. Sm/Nd (A) and U/Th (B) plots for SiO_2-TiO_2 group 2 (55-65 wt.% SiO_2). Triangles represent volcanic samples, squares represent plutonic samples, and horizontal lines reflect the uncertainty associated with the age of each sample. Plutonic samples that overlap in age (gray vertical field) with R31 include 32, 42, 92, and W09. All of these age equivalent samples are also within +/- 25% of the groups U/Th variation (horizontal purple field) from R31. Of these, only samples only 32 and W09 are within +/-25% of groups variation in Sm/Nd (horizontal yellow field) from sample R31. Therefore, the only plutonic samples in this group that is cogenetic with the River Mountains sample R31 are quartz monzonites W09 and 32 (black squares).



Plutonic equivalents for the dacite flow (R31) based on $^{206}Pb/^{238}U$ age vs. Sm/Nd (A) and U/Th (B) plots for SiO_2-TiO_2 group 2 (55-65 wt.% SiO_2). Triangles represent volcanic samples, squares represent plutonic samples, and horizontal lines reflect the uncertainty associated with the age of each sample. Plutonic samples that overlap in age (gray vertical field) with R31 include 32, 42, 92, and W09. All of these age equivalent samples are also within +/- 25% of the groups U/Th variation (horizontal purple field) from R31. Of these, only samples only 32 and W09 are within +/-25% of groups variation in Sm/Nd (horizontal yellow field) from sample R31. Therefore, the only plutonic samples in this group that is cogenetic with the River Mountains sample R31 are quartz monzonites W09 and 32 (black squares).



Plutonic equivalents for the hypabyssal dacite sill (R32) based on $^{206}Pb/^{238}U$ age vs. Sm/Nd (A) and U/Th (B) plots for SiO_2-TiO_2 group 2 (55-65 wt.% SiO_2). Triangles represent volcanic samples, squares represent plutonic samples, and horizontal lines reflect the uncertainty associated with the age of each sample. Plutonic samples that overlap in age (gray vertical field) with R32 include 32, 42, 92, and W09. All of these age equivalent samples are also within +/- 25% of the groups U/Th variation (horizontal purple field) from R32. Of these, only samples only 32 and W09 are within +/-25% of groups variation in Sm/Nd (horizontal yellow field) from sample R32. Therefore, the only plutonic samples in this group that is cogenetic with the River Mountains sample (R32) are quartz monzonites W09 and 32 (black squares).



Andesite flow (AB230; black triangle) plutonic correlations. $^{206}Pb/^{238}U$ age vs. Sm/Nd (A) and U/Th (B) plots for SiO_2-TiO_2 group 3 (55-65 wt.% SiO_2). Triangles represent volcanic samples, squares represent plutonic samples, and horizontal lines reflect the uncertainty associated with the age of each sample. Plutonic samples that overlap in age (gray vertical field) with AB230 include 24, 56, 60, and 73. Of these age equivalent samples only 24, 56, and 73 are within +/-25% of groups variation in Sm/Nd (horizontal yellow field) from sample AB230. Of these three, only 24 and 73 are also within +/- 25% of the groups U/Th variation (horizontal purple field) from AB230. Therefore, the only plutonic samples in this group that are cogenetic with the andesite flow AB230 are monzodiorite (73, black square) and an intermediate dike (24, black square).

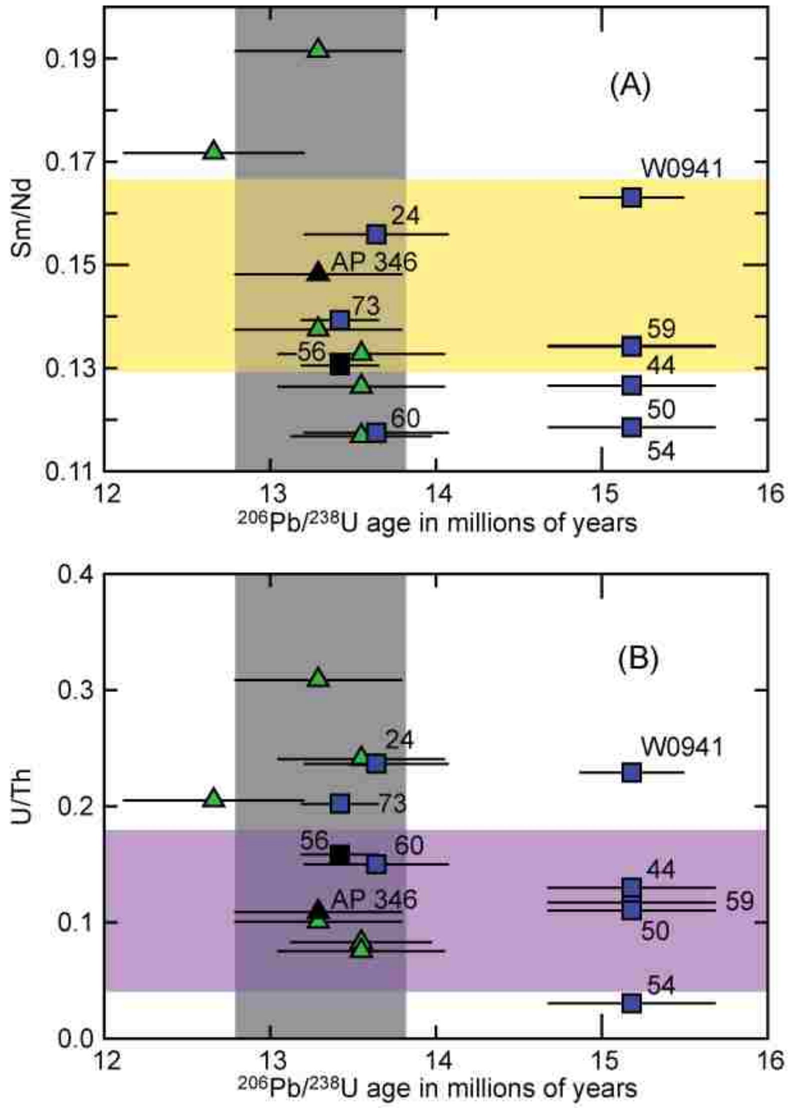
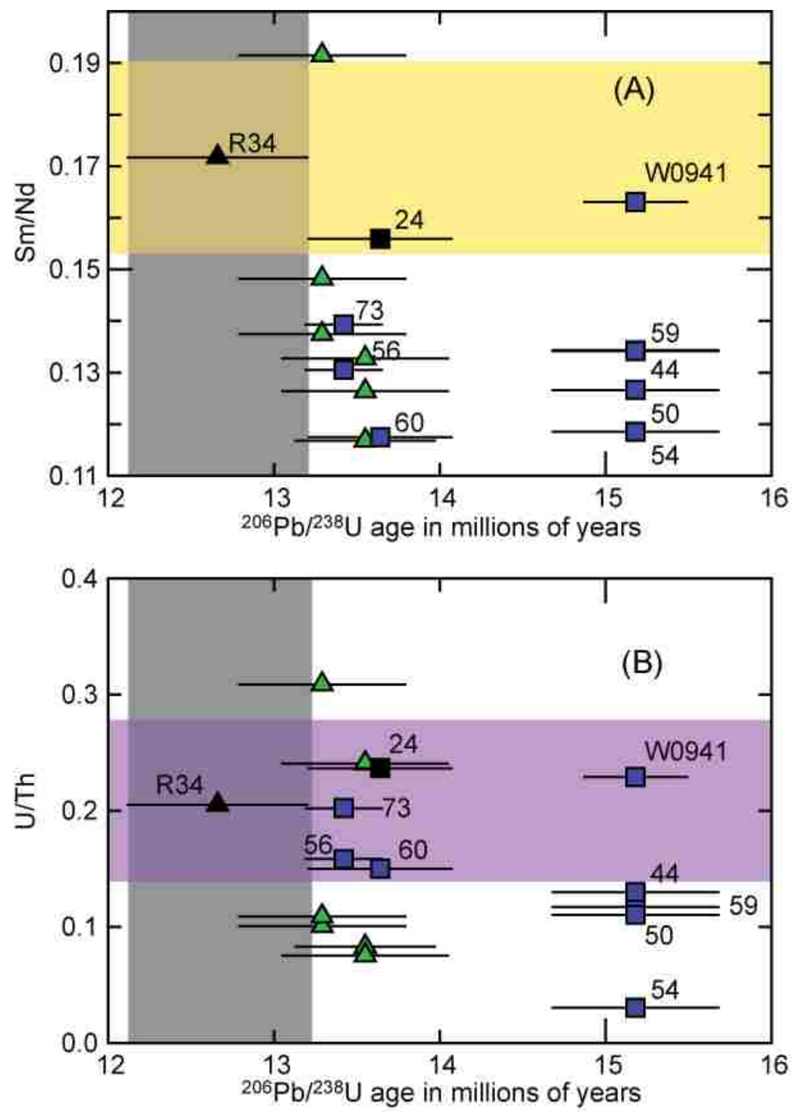
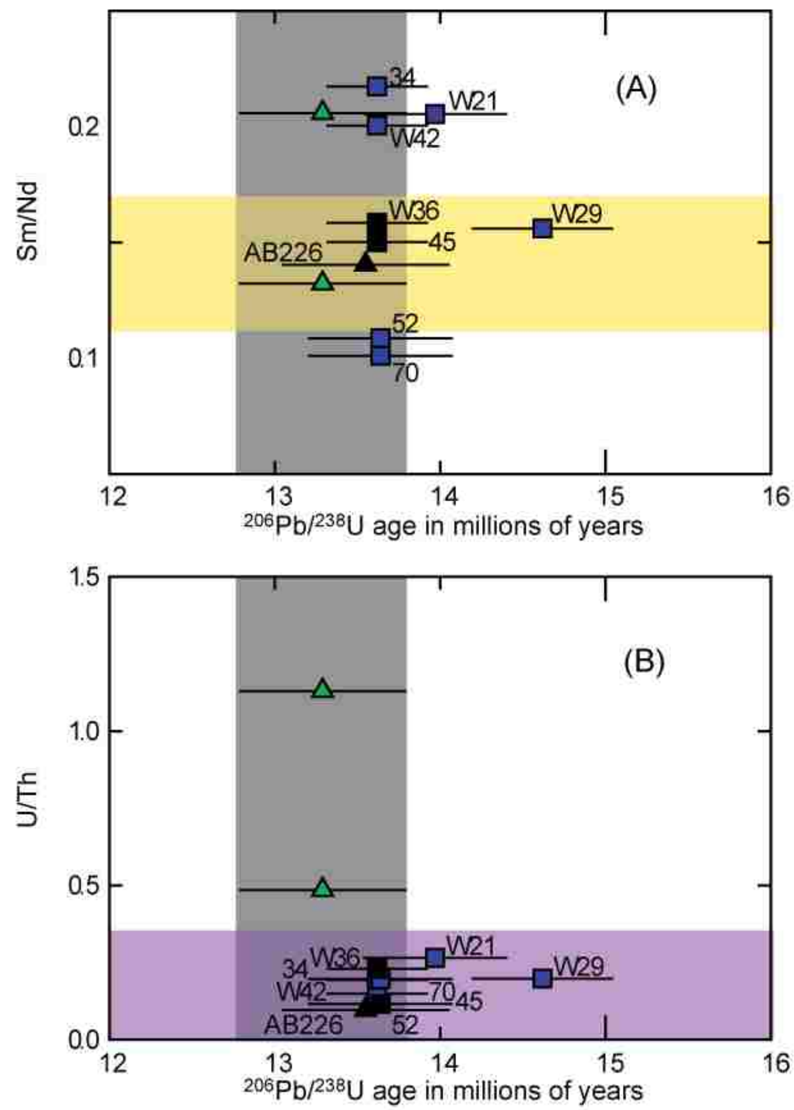


Figure 13. Plutonic correlations with andesite flow from the River Mountains (AP346; black triangle). $^{206}Pb/^{238}U$ age vs. Sm/Nd (A) and U/Th (B) plots for SiO_2-TiO_2 group 3 (55-65 wt.% SiO_2). Triangles represent volcanic samples, squares represent plutonic samples, and horizontal lines reflect the uncertainty associated with the age of each sample. Plutonic samples that overlap in age (gray vertical field) with AP346 include 24, 56, 60, and 73. Of these age equivalent samples only 24, 56, and 73 are within +/-25% of groups variation in Sm/Nd (horizontal yellow field) from sample AP346. Of these three, only 56 is also within +/- 25% of the groups U/Th variation (horizontal purple field) from AP346. Therefore, the only plutonic sample in this group that is cogenetic with the andesite flow AP346 is the monzodiorite 56 (black square).

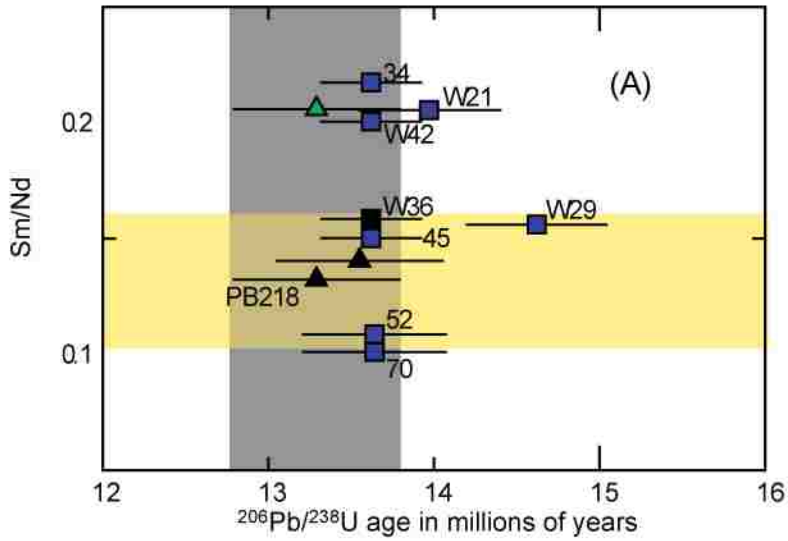


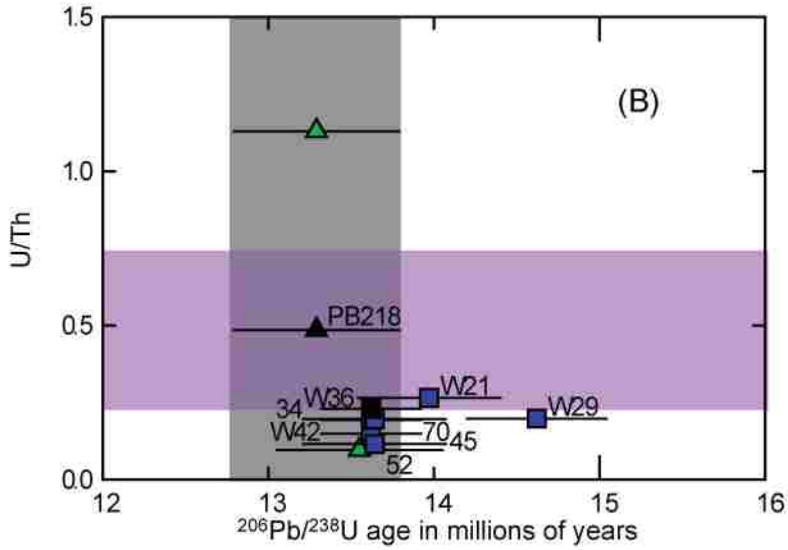
River Mountains dacite intrusion (R34; black triangle) plutonic correlations. $^{206}Pb/^{238}U$ age vs. Sm/Nd (A) and U/Th (B) plots for SiO_2-TiO_2 group 3 (55-65 wt.% SiO_2). Triangles represent volcanic samples, squares represent plutonic samples, and horizontal lines reflect the uncertainty associated with the age of each sample. Plutonic samples that overlap in age (gray vertical field) with R34 include 24, 56, 60, and 73. All of these coeval samples are also within +/- 25% of the groups U/Th variation (horizontal purple field) from R34. Of these samples only 24 is within +/-25% of groups variation in Sm/Nd (horizontal yellow field) from sample R34. Therefore, the only plutonic sample in this group that is cogenetic with the dacite intrusion R34 is an intermediate dike (24, black square).

SiO_2 – TiO_2 Group 4



Plutonic correlations for andesite flow (AB226) based on $^{206}Pb/^{238}U$ age vs. Sm/Nd (A) and U/Th (B) plots for SiO_2-TiO_2 group 4 (55-65 wt.% SiO_2). Triangles represent volcanic samples, squares represent plutonic samples, and horizontal lines reflect the uncertainty associated with the age of each sample. Plutonic samples that overlap in age (gray vertical field) with AB226 include W21, W36, W42, 34, 45, 52, and 70. All of these age equivalent samples are also within +/- 25% of the groups U/Th variation (horizontal purple field) from AB226. However, of these samples only W36 and 45 are within +/-25% of groups variation in Sm/Nd (horizontal yellow field) from sample AB226. Therefore, the only plutonic sample in this group that are cogenetic with the andesite flow AB226 are the diorites W36 and 45 (black squares).





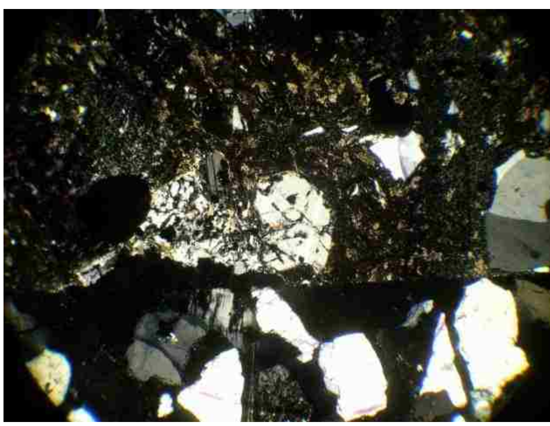
Plutonic correlations for andesite flow (PB218) based on $^{206}Pb/^{238}U$ age vs. Sm/Nd (A) and U/Th (B) plots for SiO_2-TiO_2 group 4 (55-65 wt.% SiO_2). Triangles represent volcanic samples, squares represent plutonic samples, and horizontal lines reflect the uncertainty associated with the age of each sample. Plutonic samples that overlap in age (gray vertical field) with PB218 include W21, W36, W42, 34, 45, 52, and 70. Of these age equivalent samples, W36, 45, and 52 are also within +/- 25% of the groups Sm/Nd variation (horizontal yellow field) from PB218. However, of these three only W36 is within +/-25% of groups variation in U/Th (horizontal yellow field) from sample PB218. Therefore, the only plutonic sample in this group that is cogenetic with the andesite flow PB218 is diorite W36 (black square).

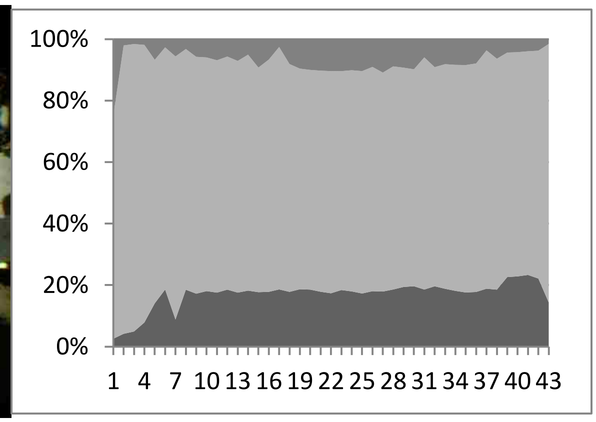
APPENDIX E: EPMA OF FELDSPARS

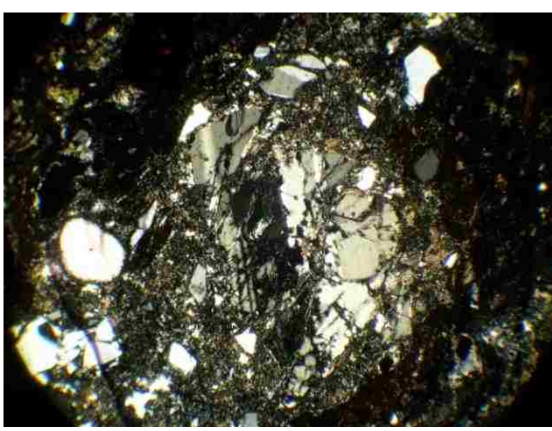
Photomicrographs and Corresponding EPMA Transects

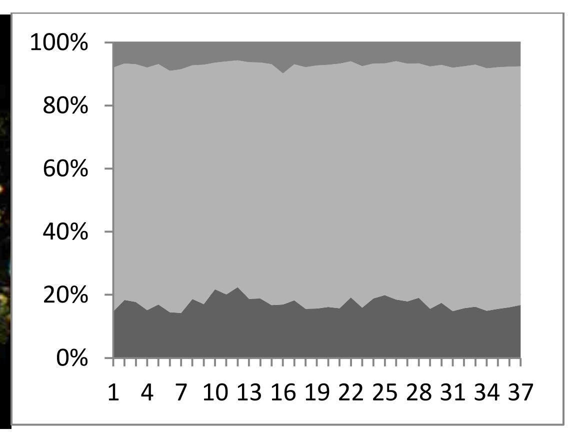
The following are petrographic images of feldspars that were analyzed using EPMA at UNLV's EMIL. All petrographic images were taken at the 4x magnification. Only grains with at least four useable analyses are plotted, all others were disregarded. All charts have an X-axis of spot number (approximately 10 microns between spots) and a Y-axis of % composition. Dark gray represents $Or_{\#}$, medium gray represents $Ab_{\#}$, and light gray represents $An_{\#}$. Sample numbers head each group of images and transects.

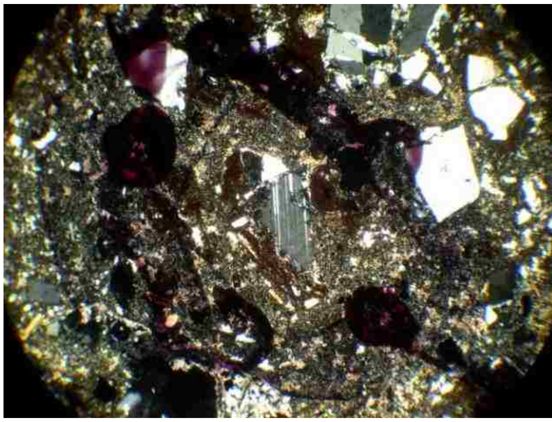
GR

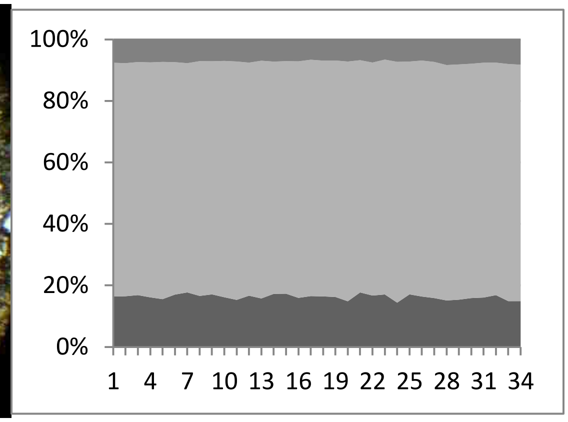








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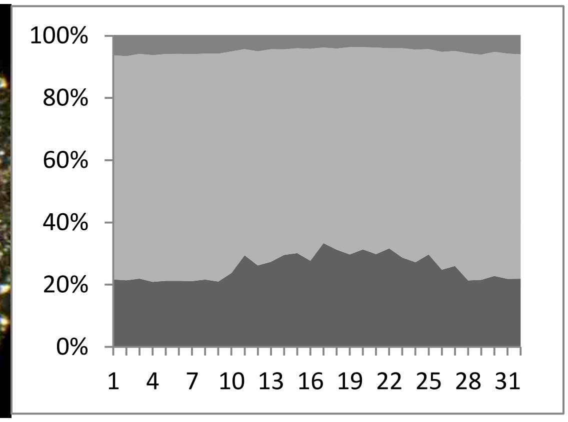
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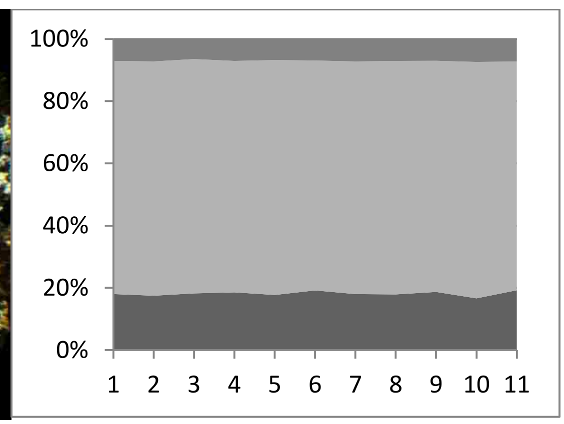
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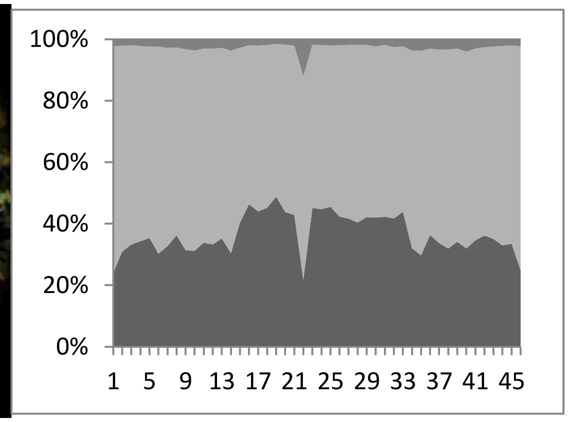
R25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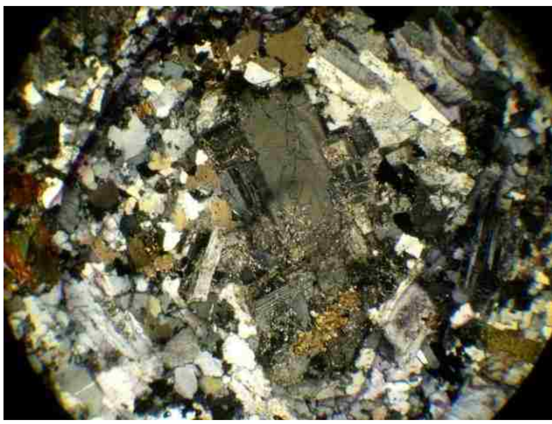

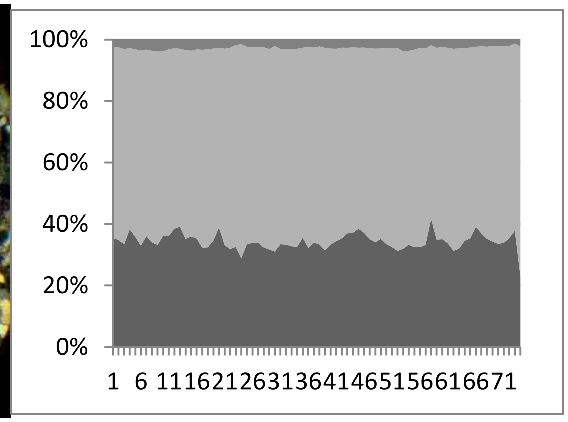
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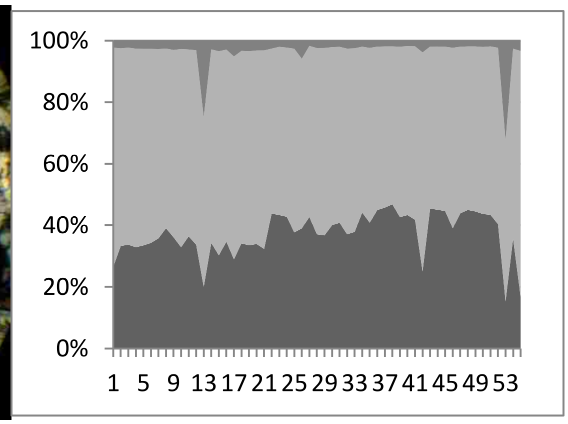
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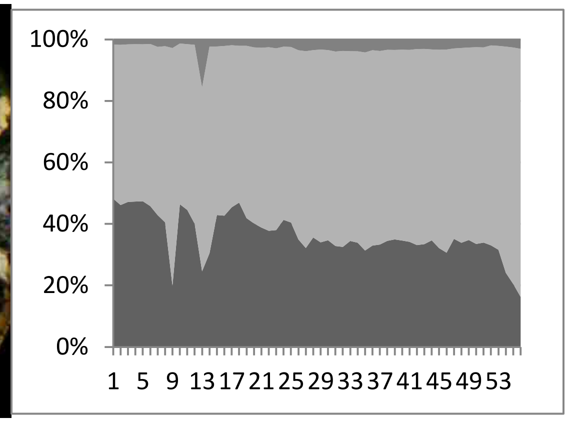

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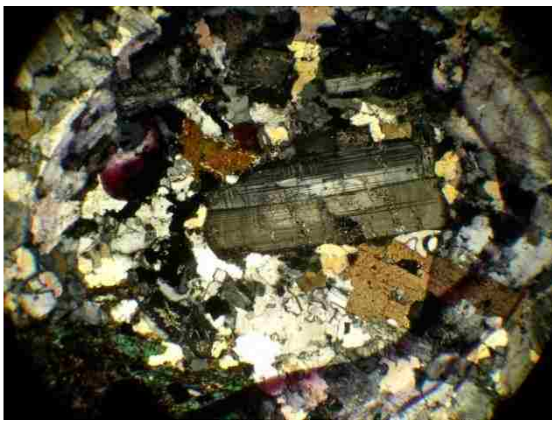

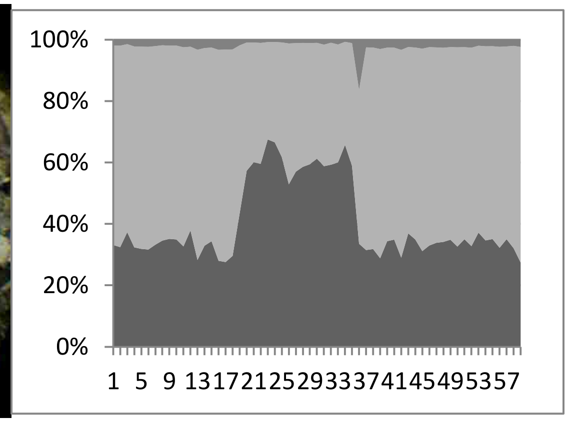

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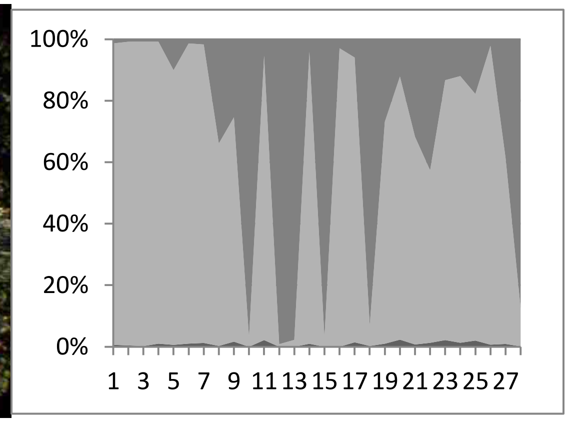
R32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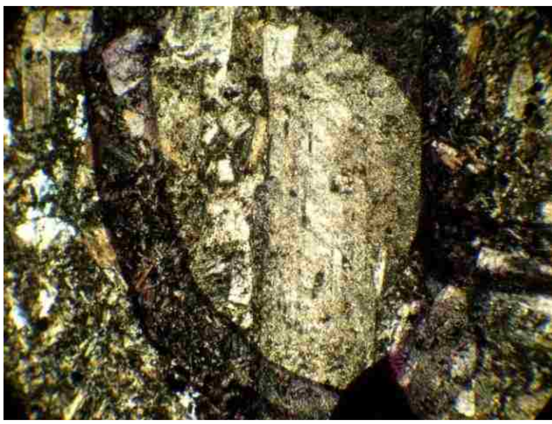

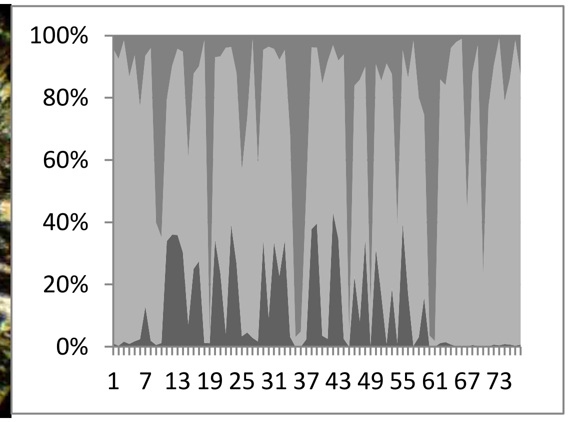
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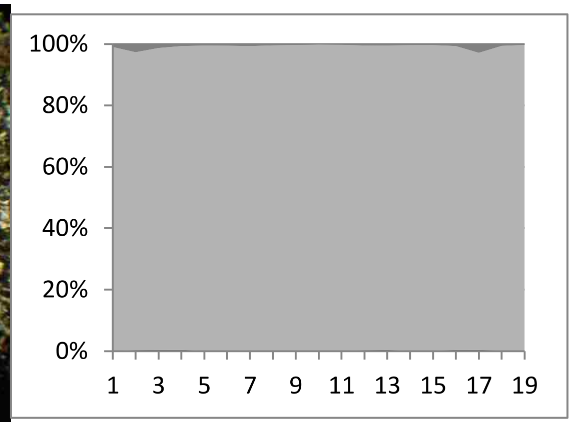
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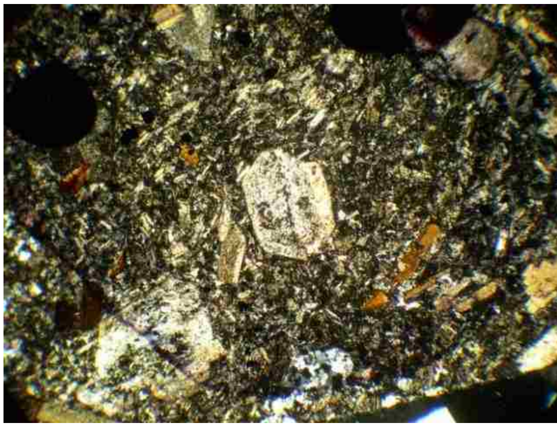

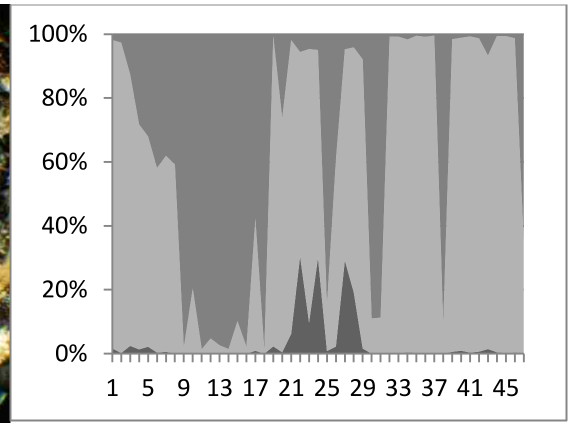

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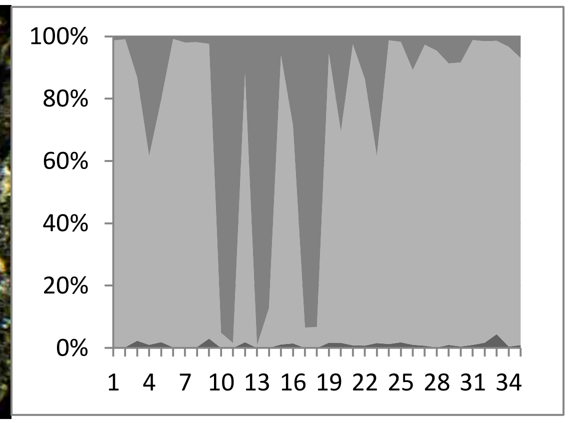

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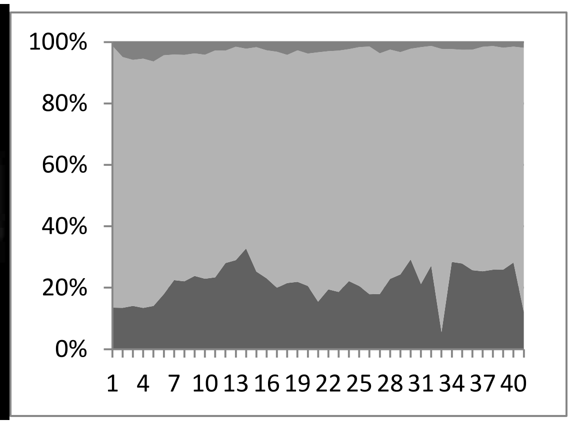
W5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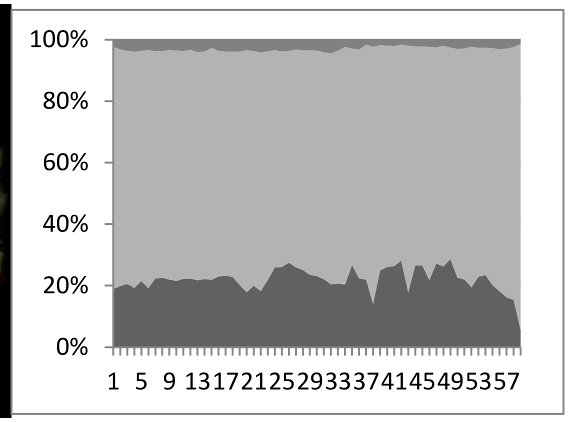
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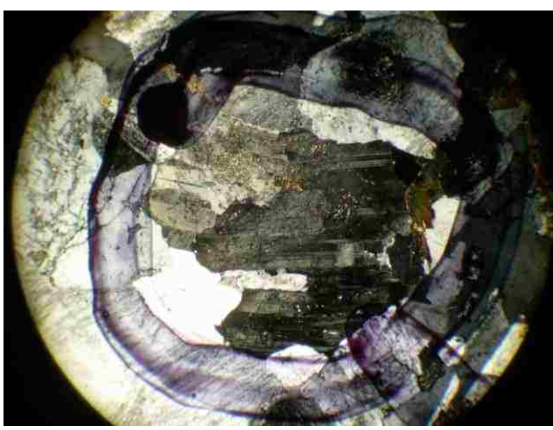

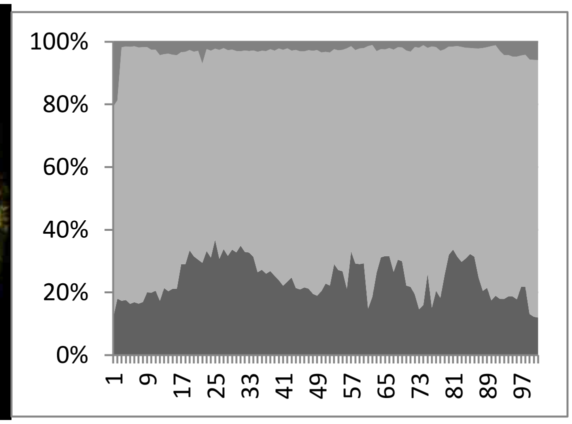
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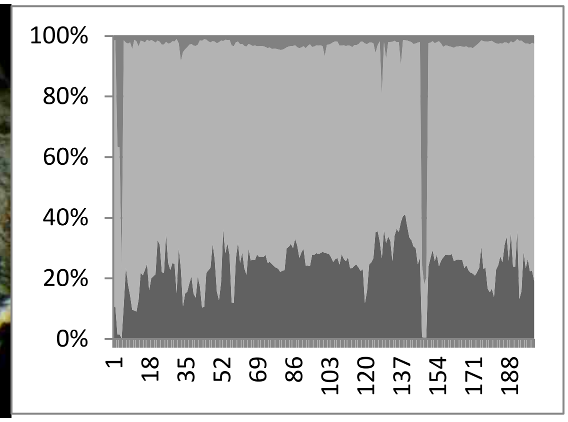
W6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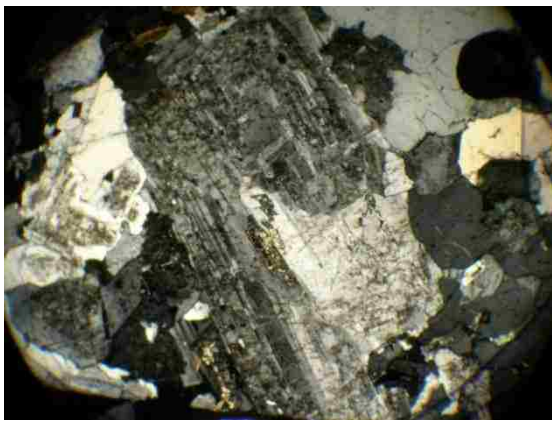

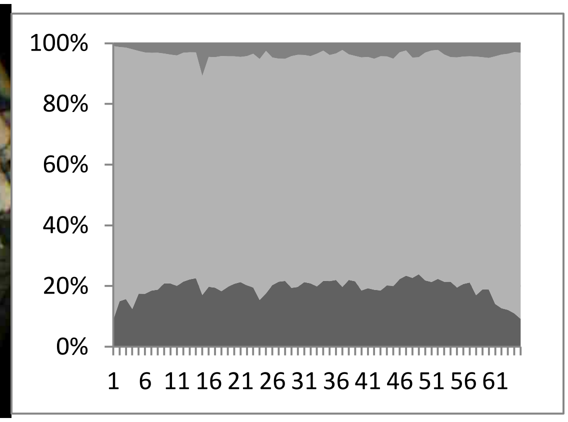
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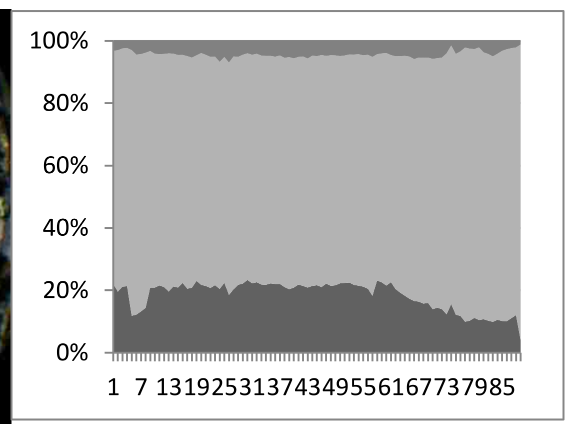
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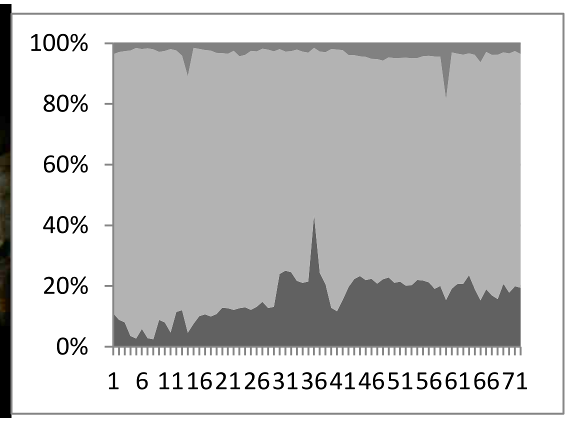

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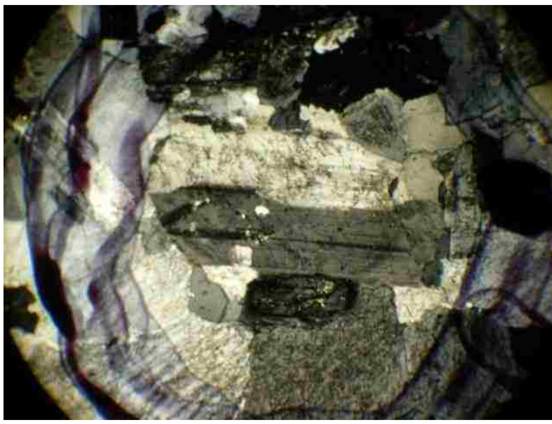

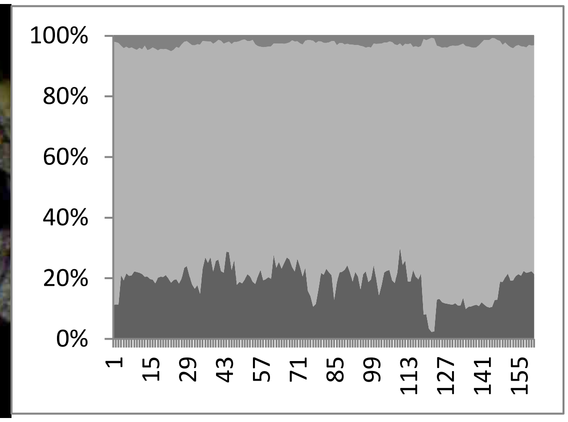

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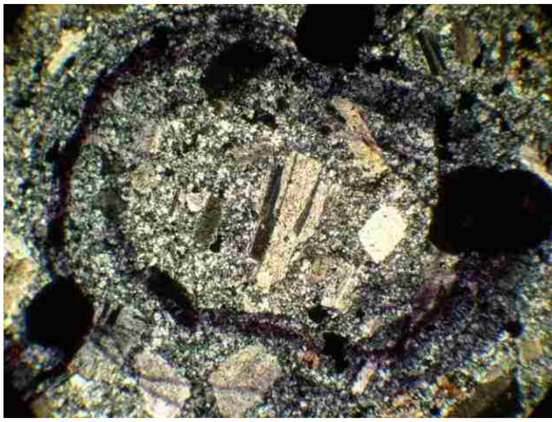

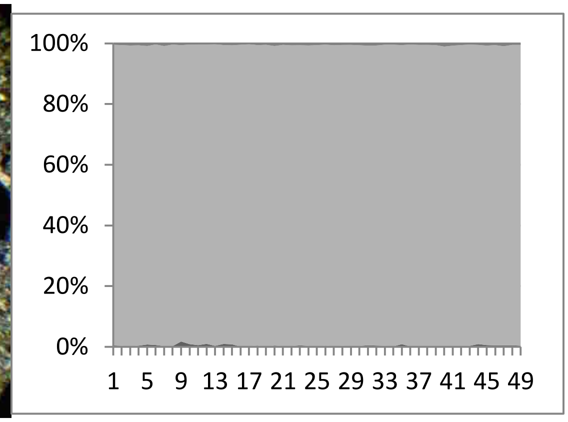
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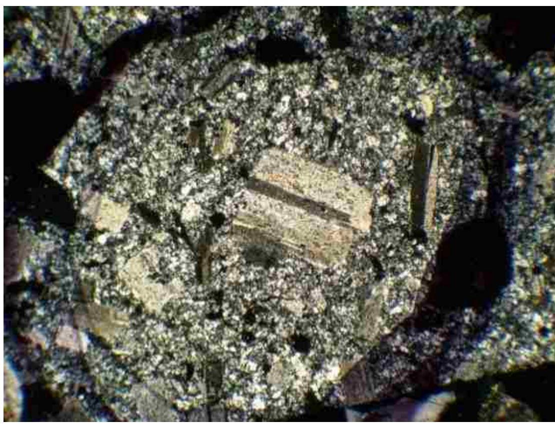

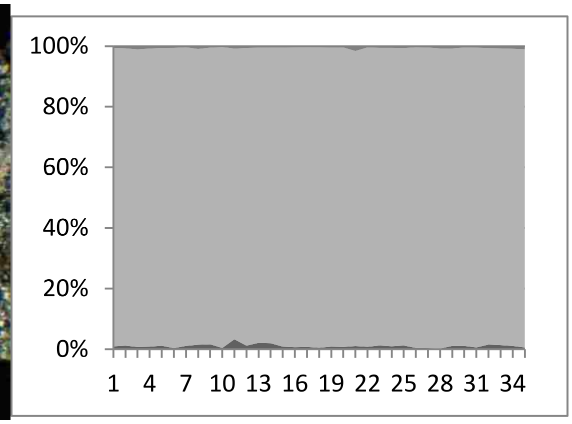
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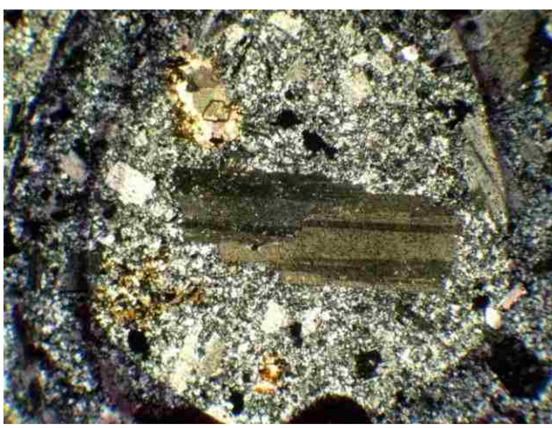

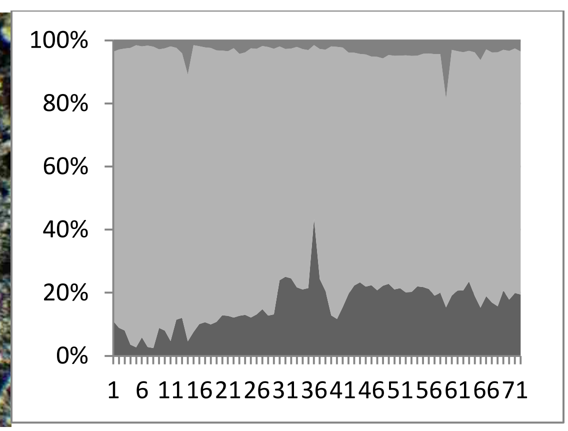
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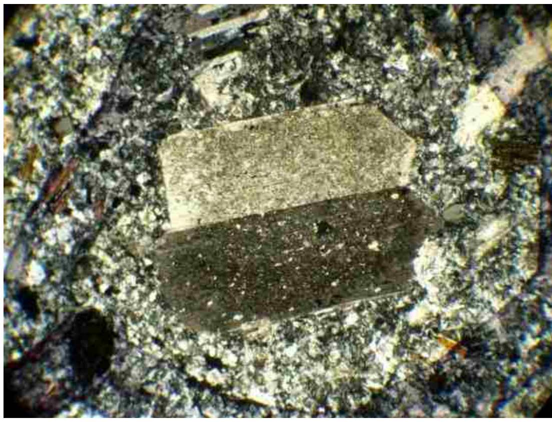

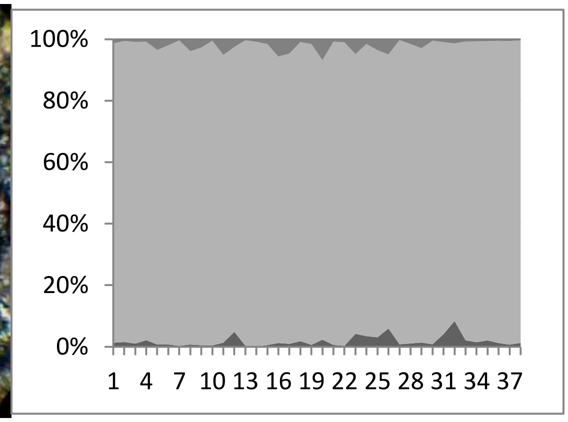
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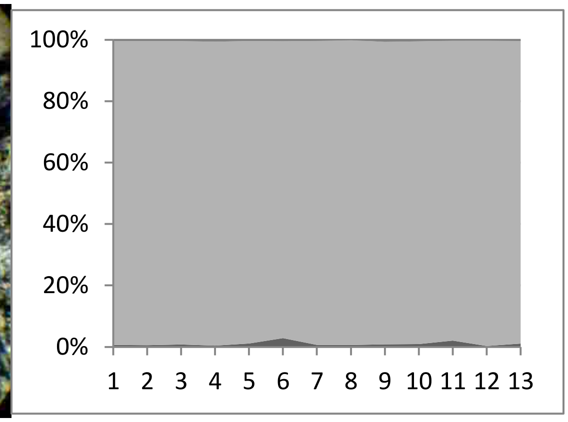
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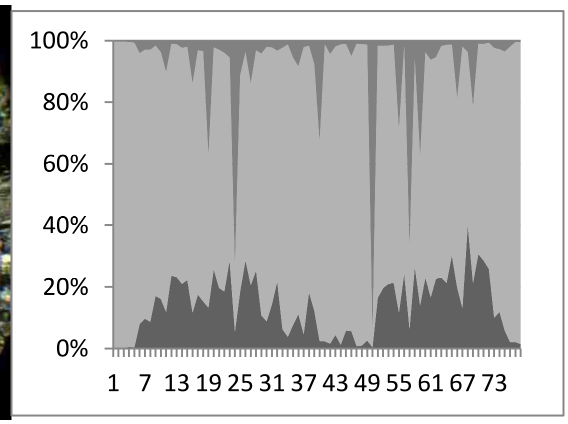
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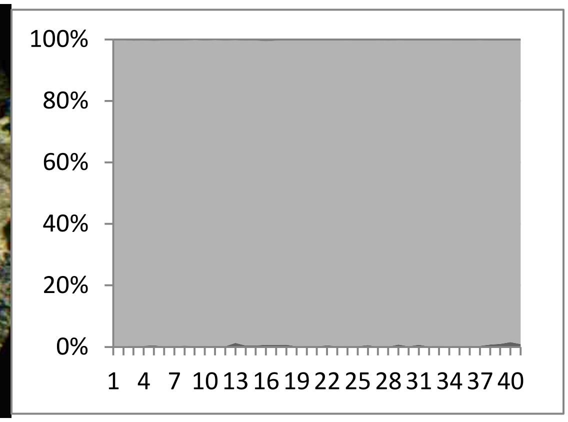
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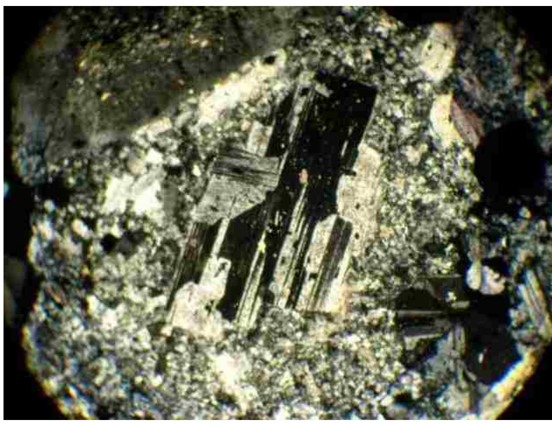

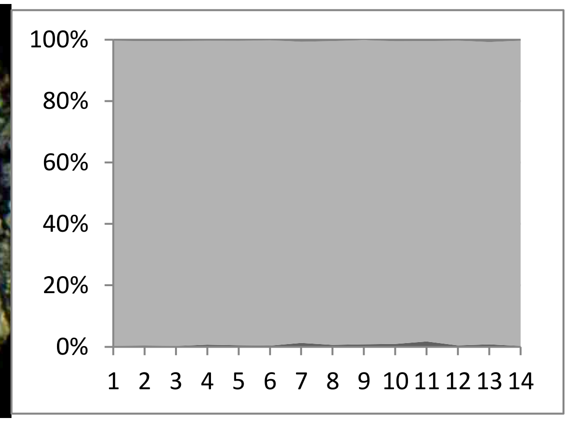
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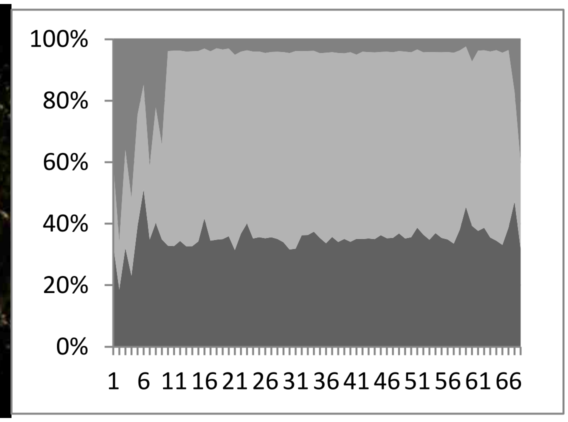
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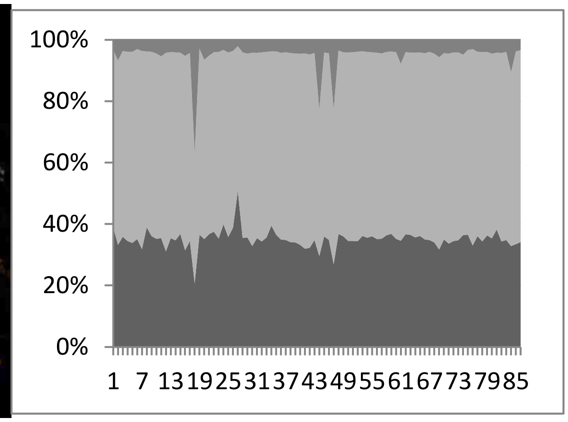
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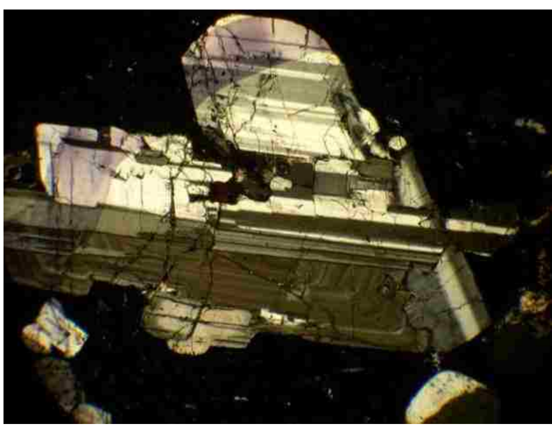

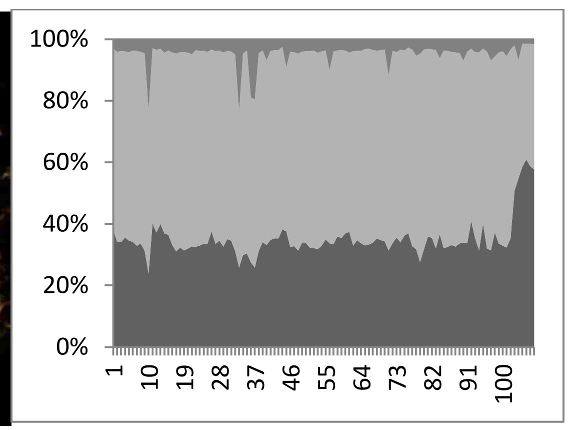
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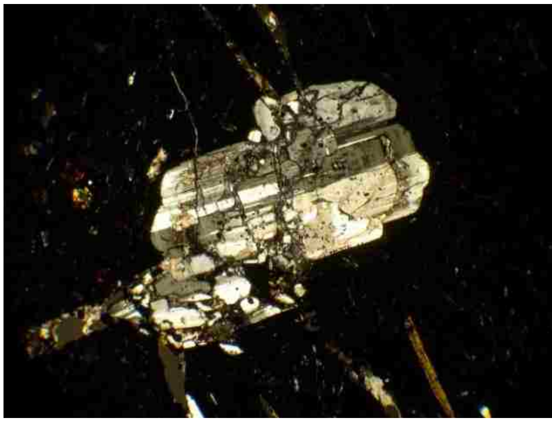

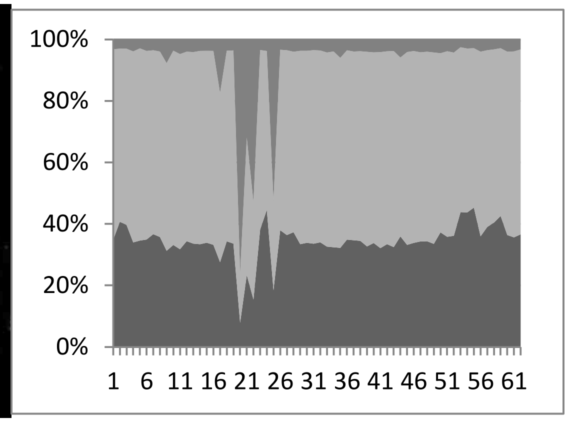
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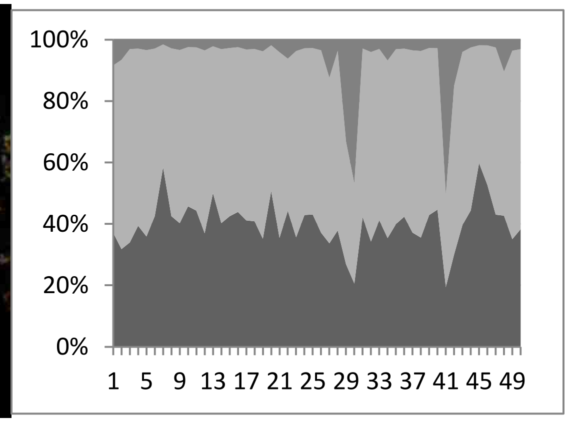
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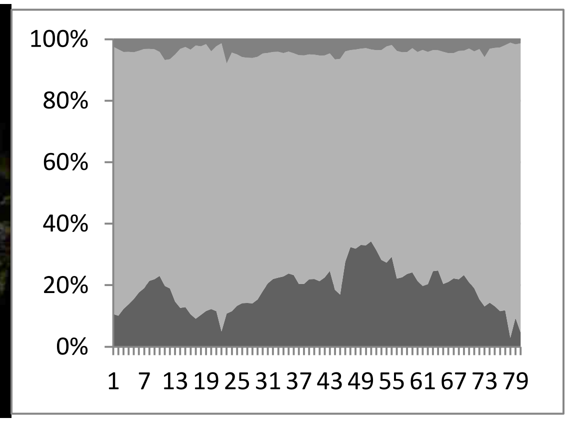
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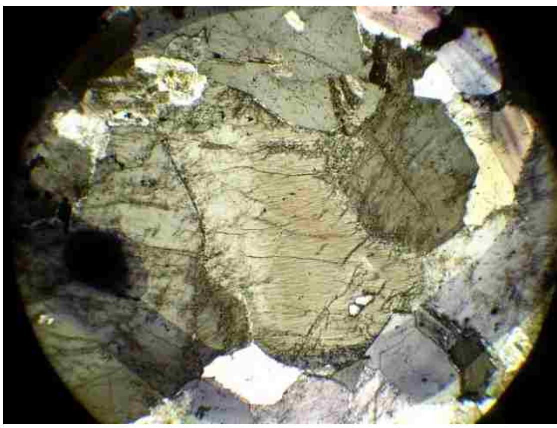

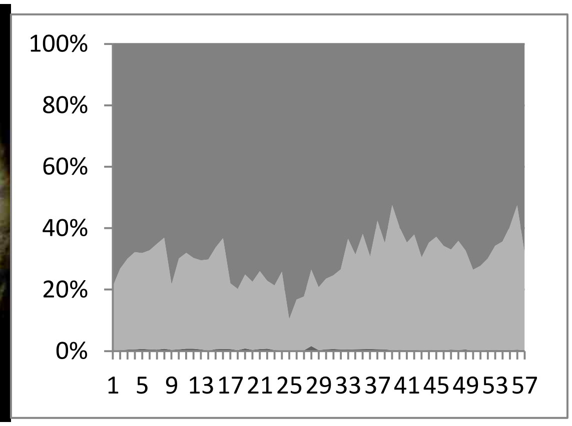
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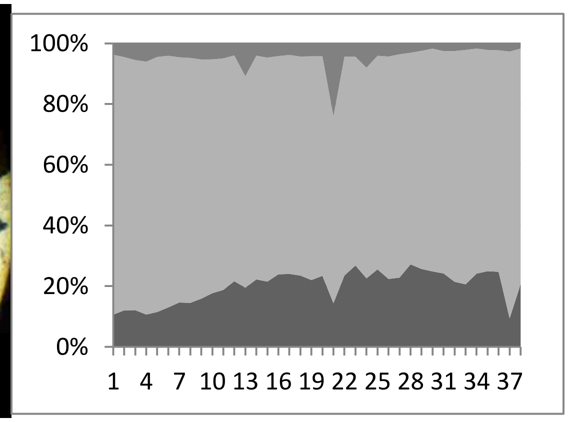
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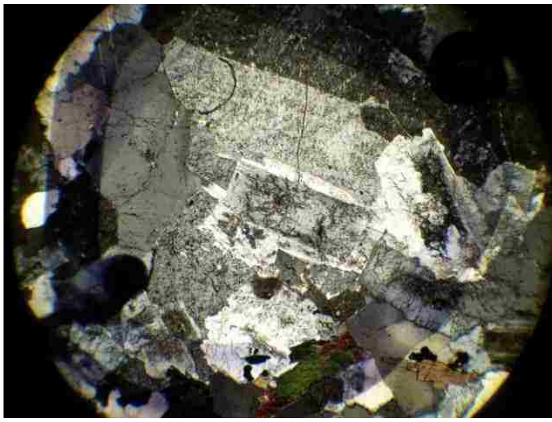

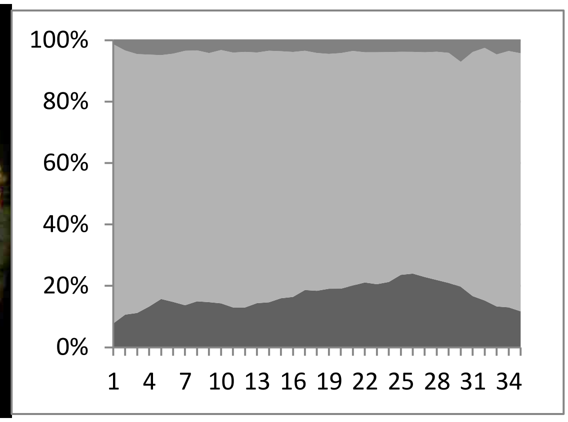
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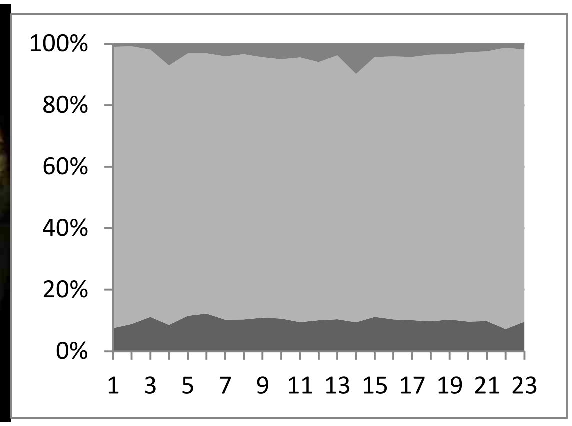
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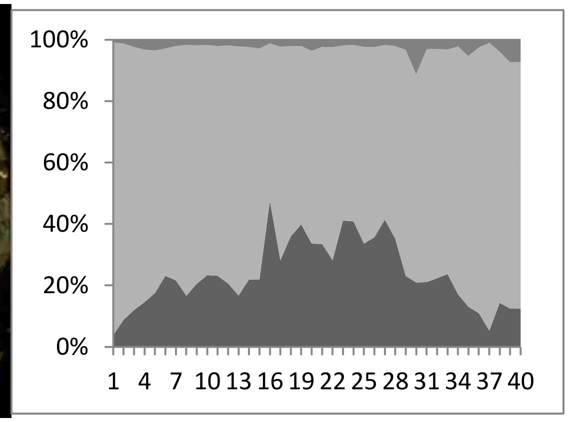
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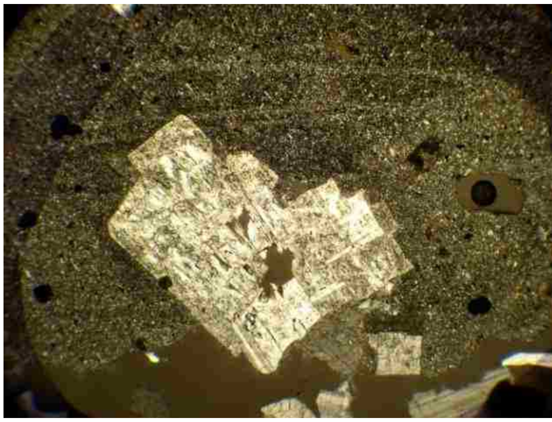

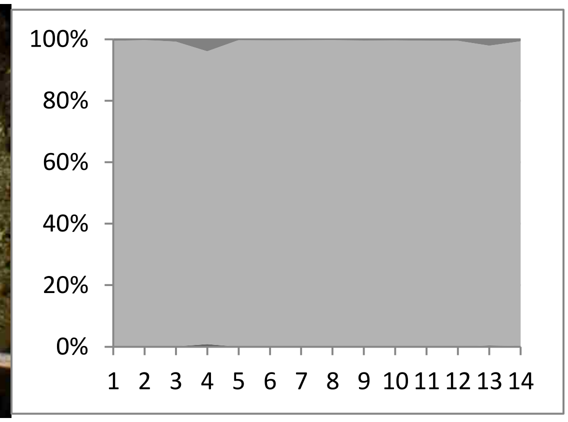
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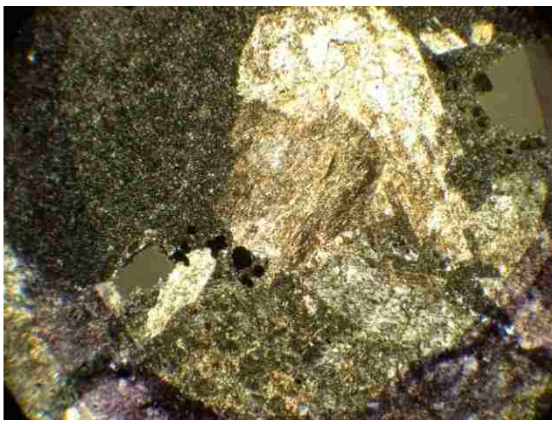

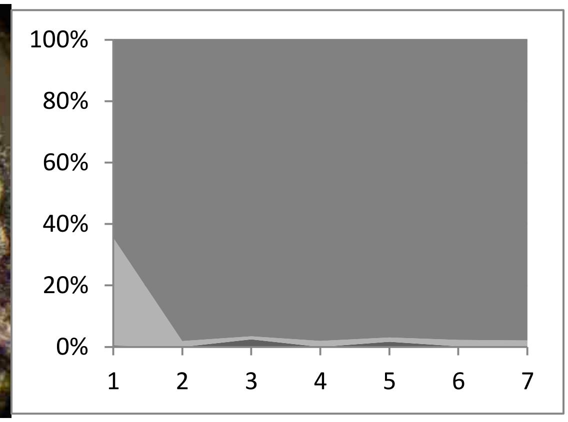
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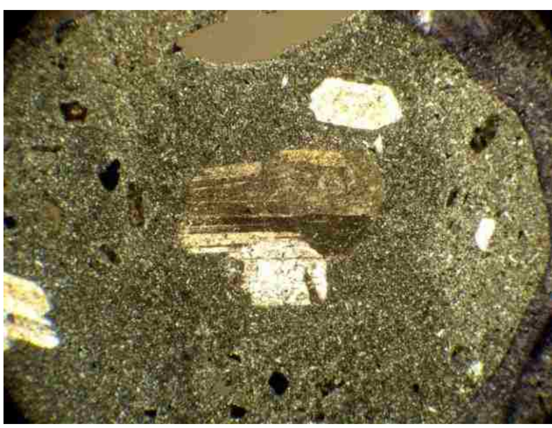

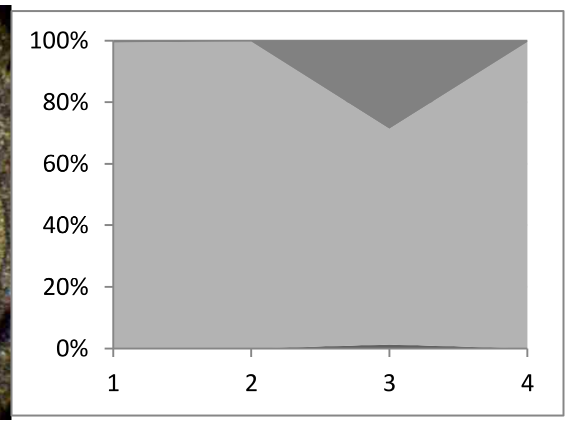
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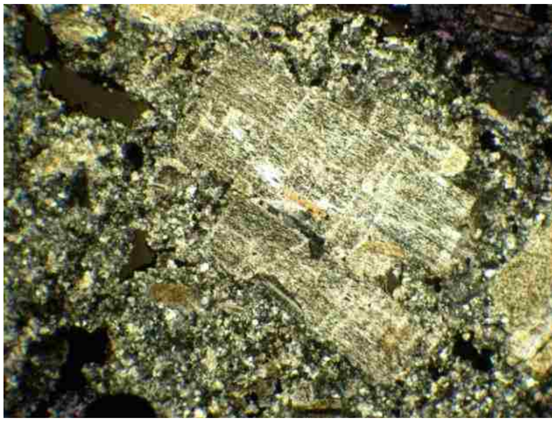

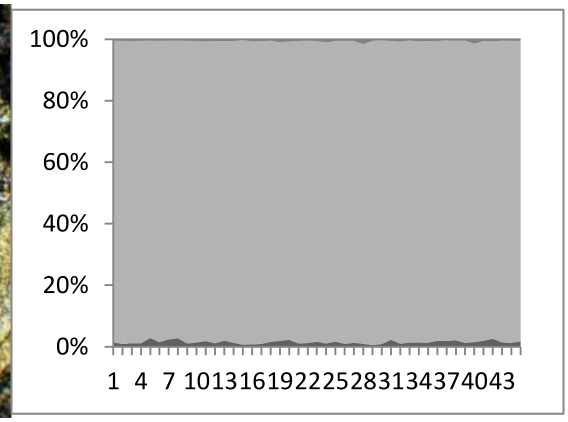
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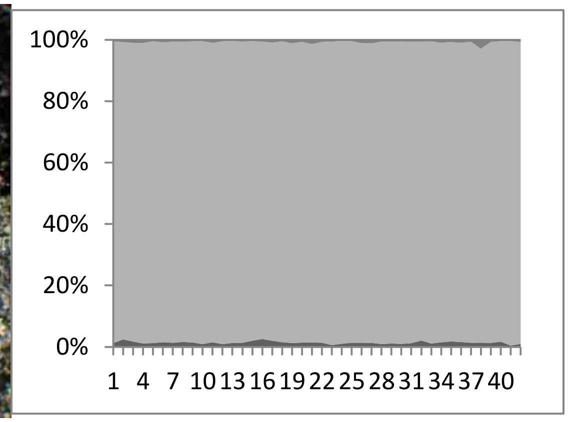
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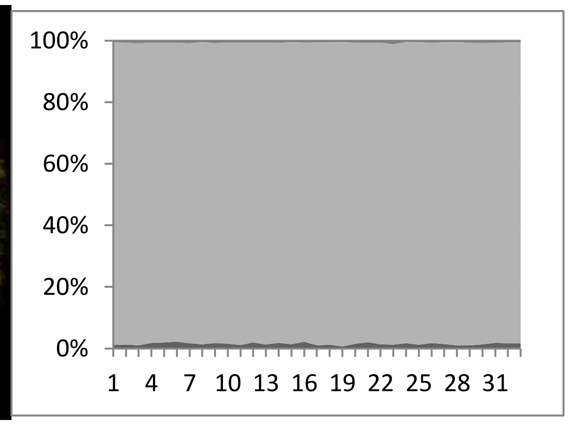
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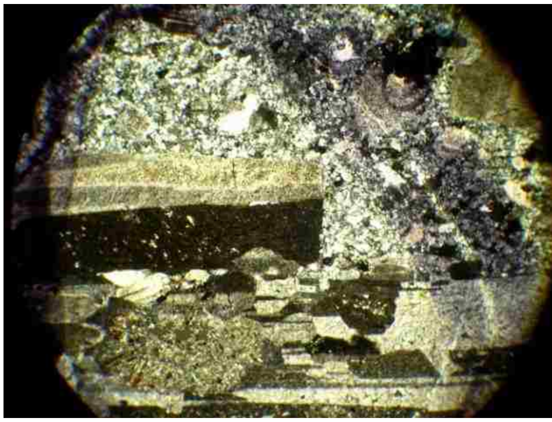

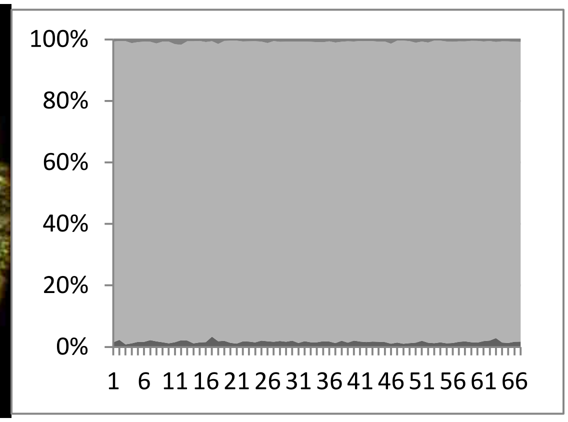
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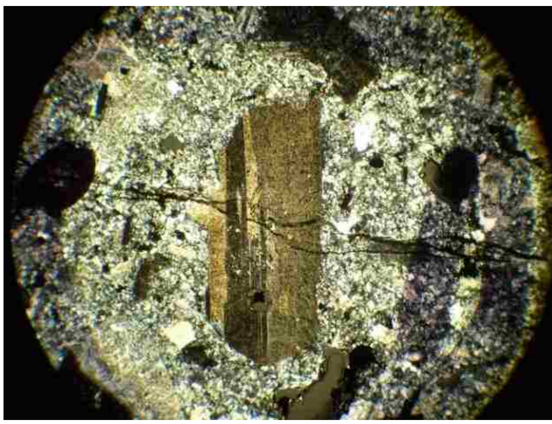

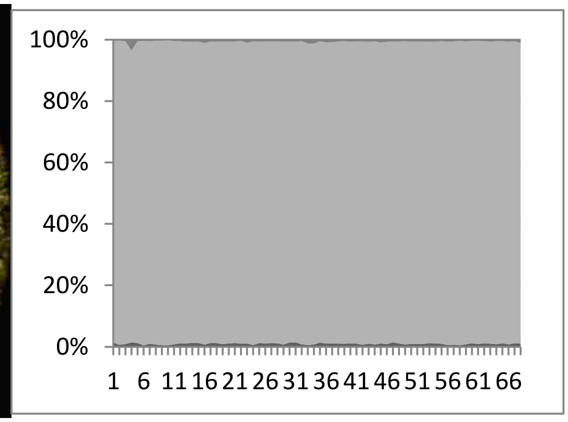
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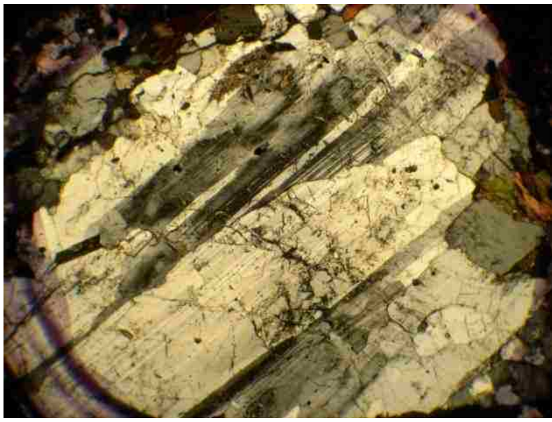

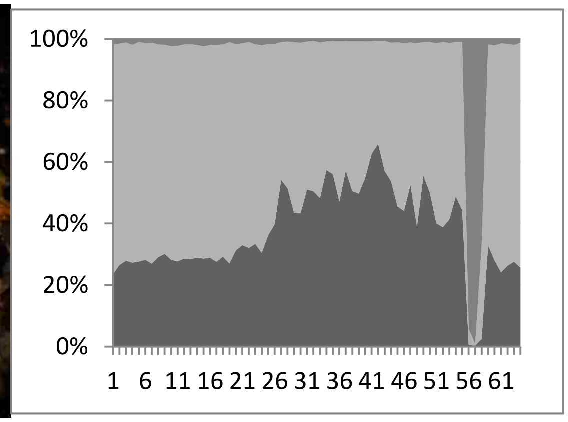

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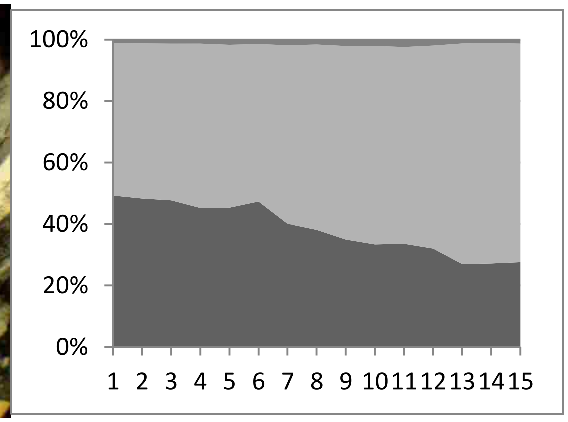

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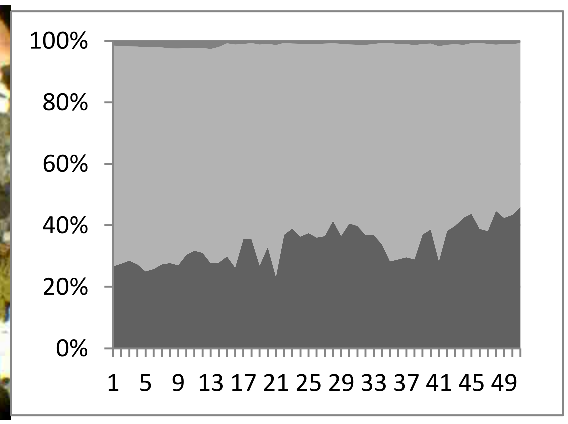

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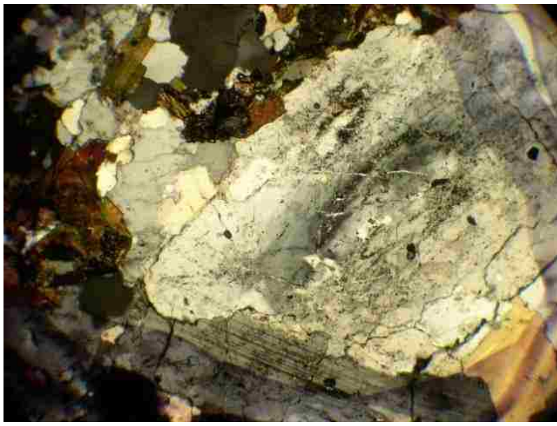

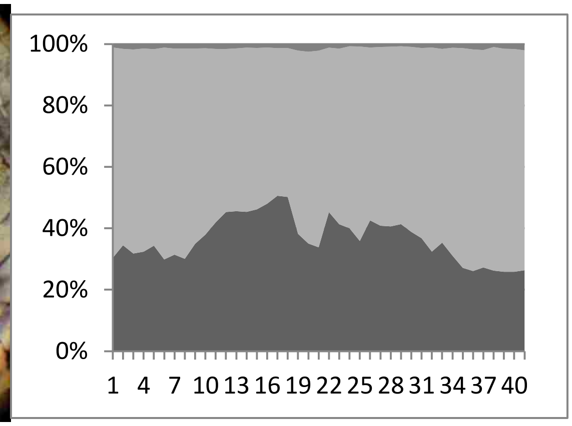

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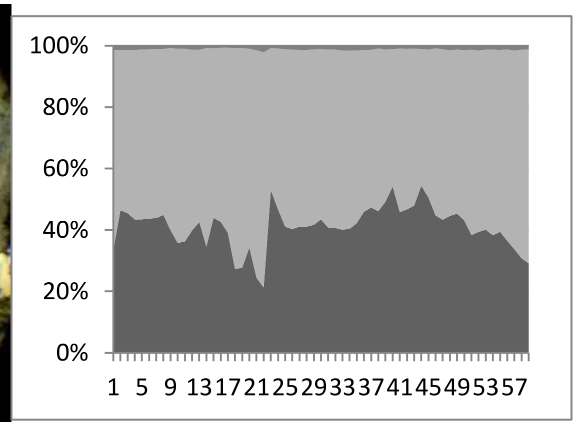

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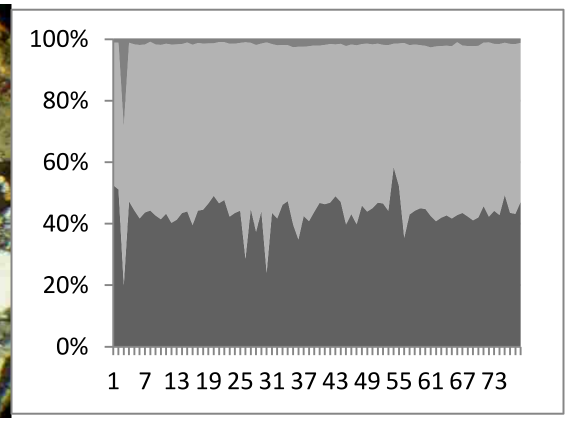
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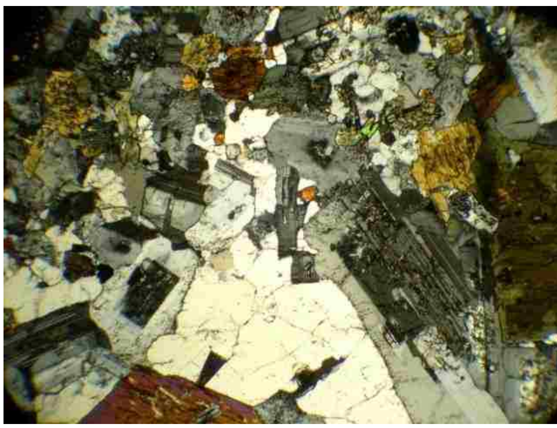

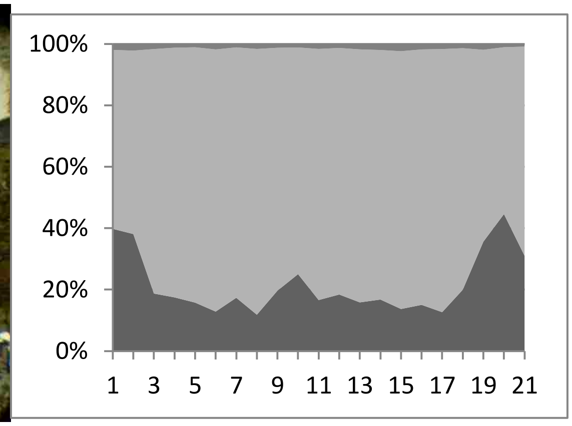
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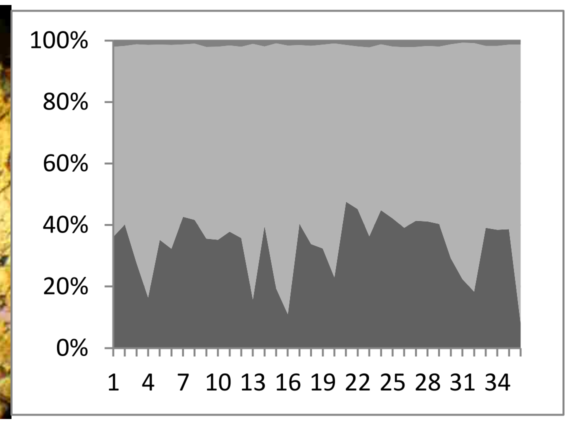
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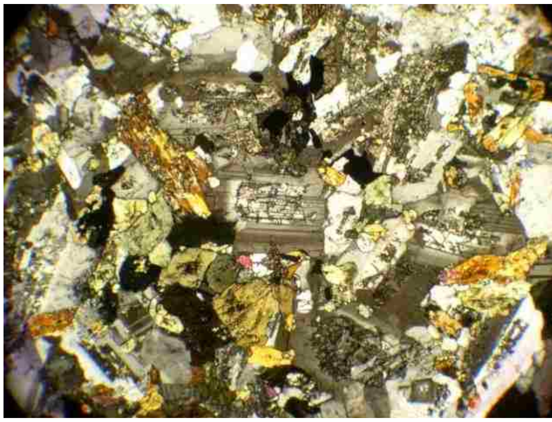

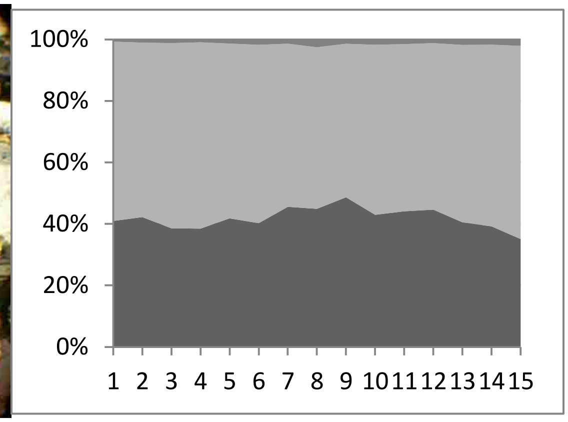
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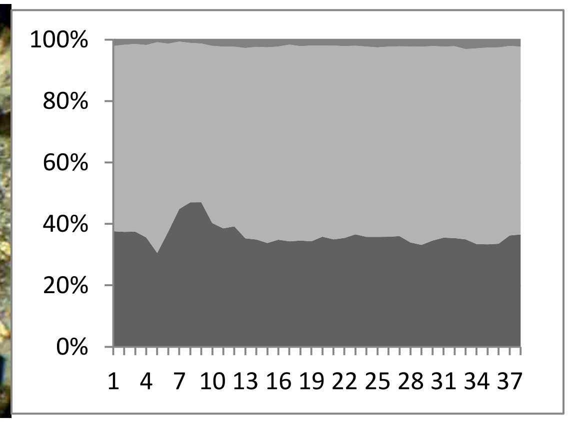
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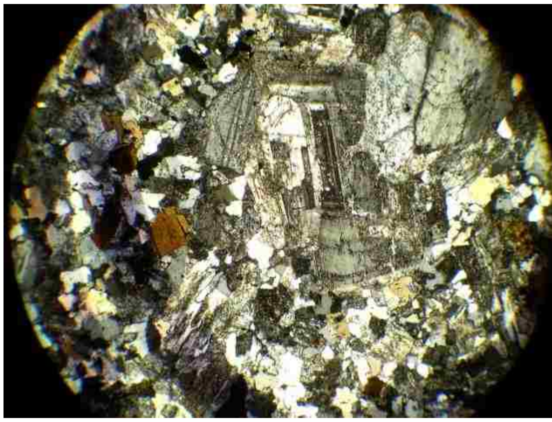

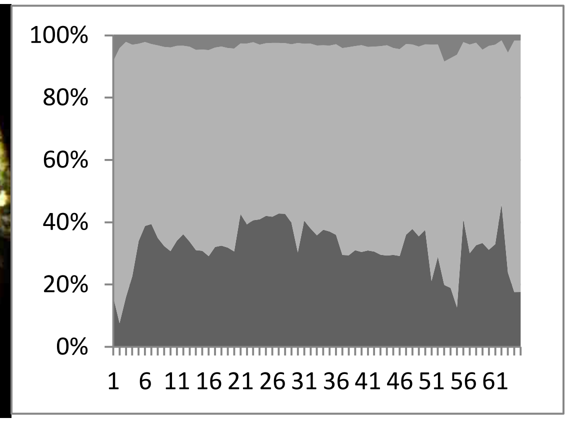
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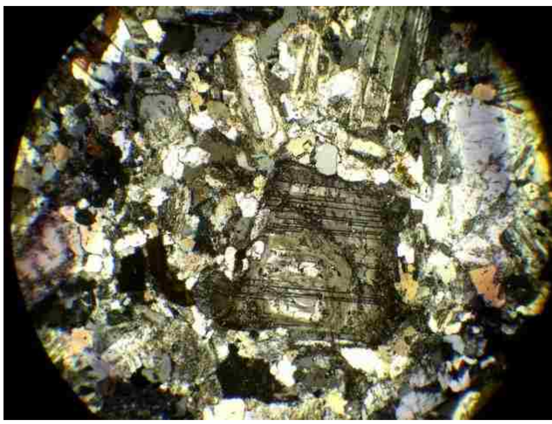

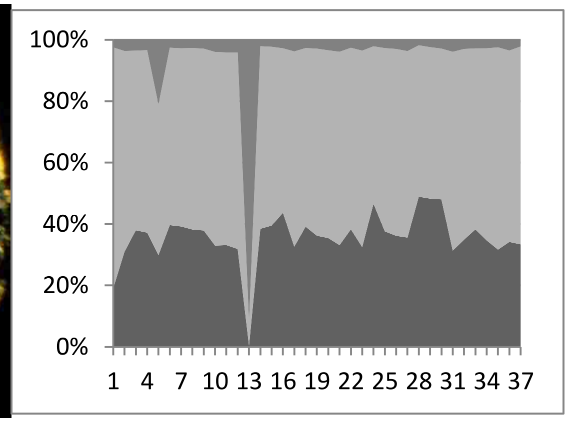
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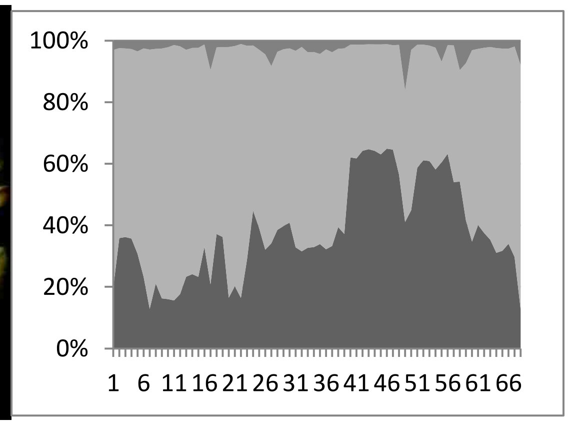
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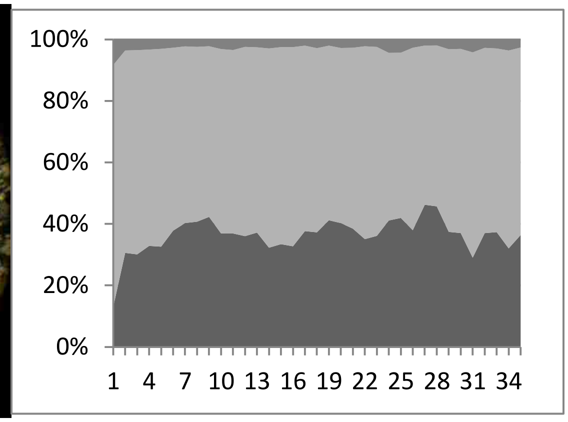
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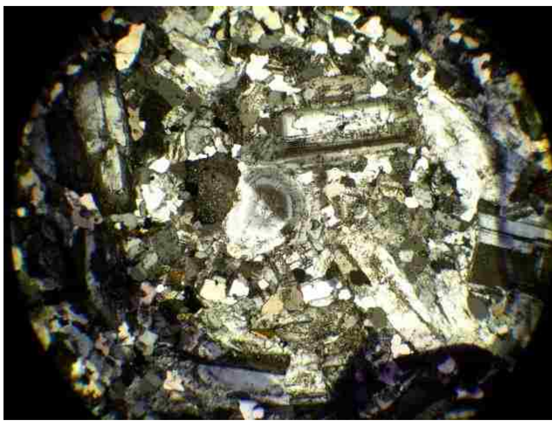

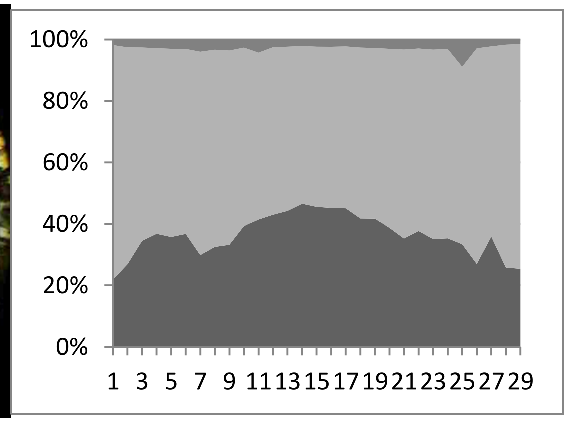
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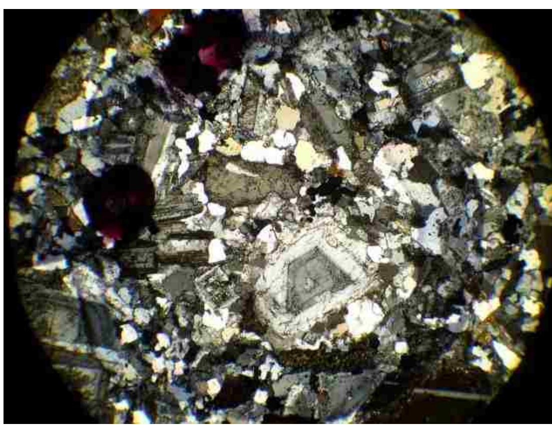

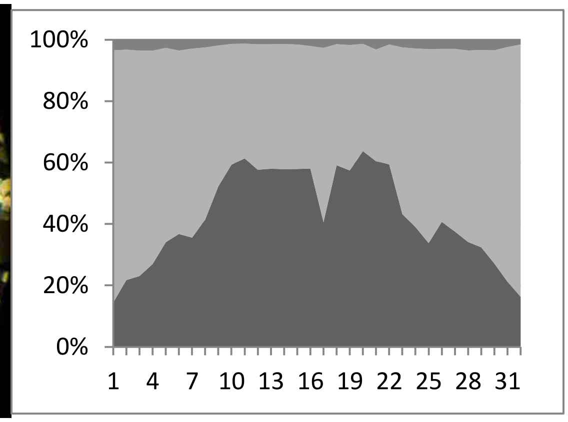
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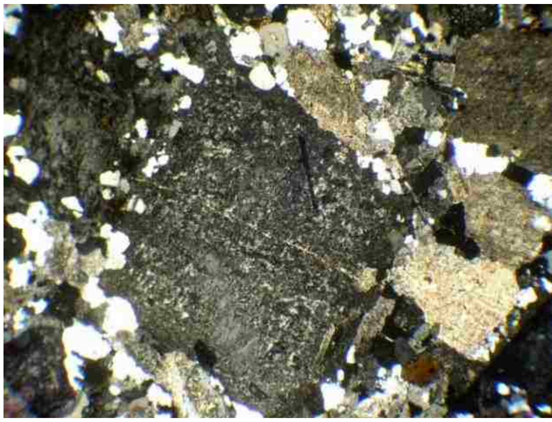

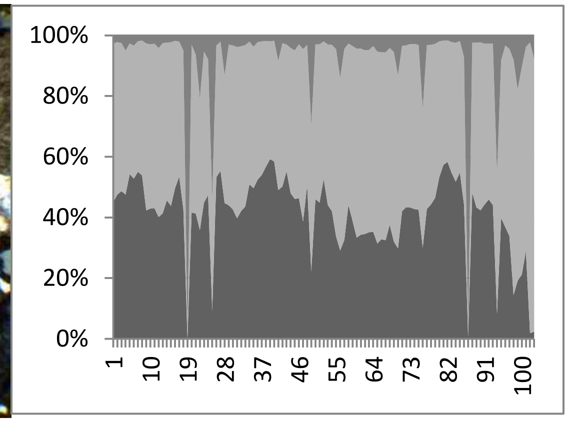
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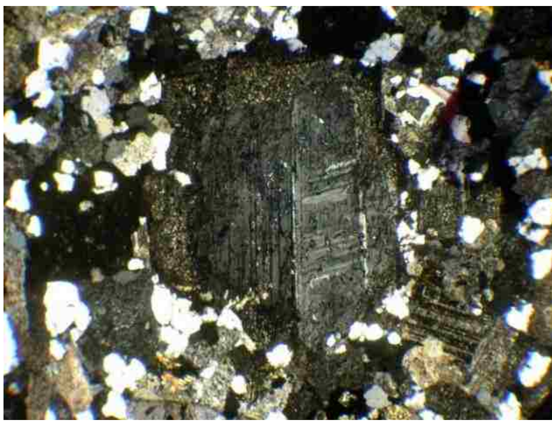

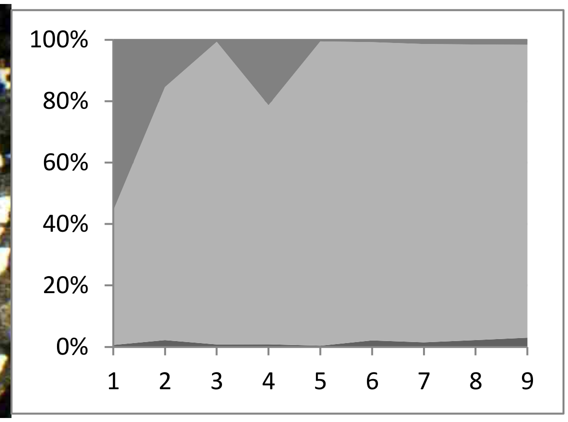
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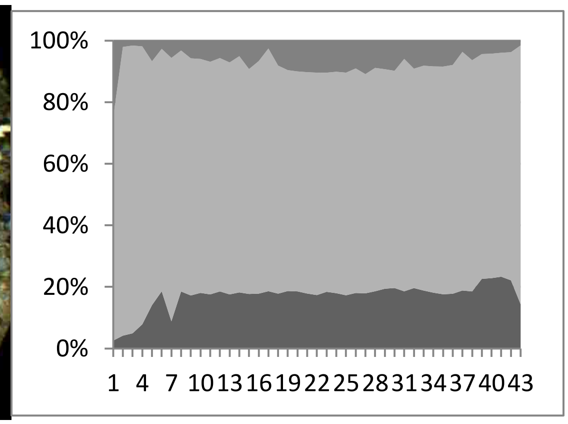
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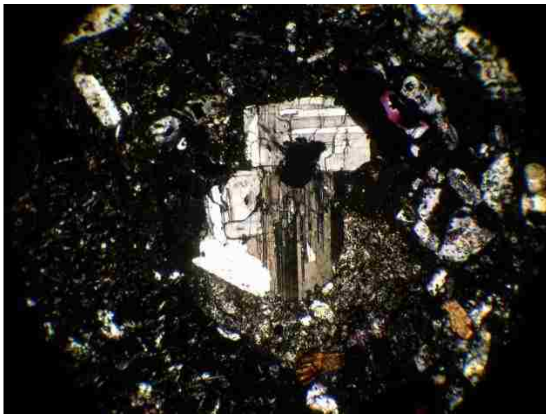

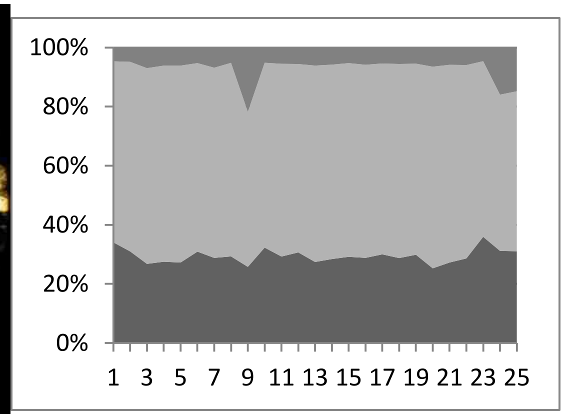
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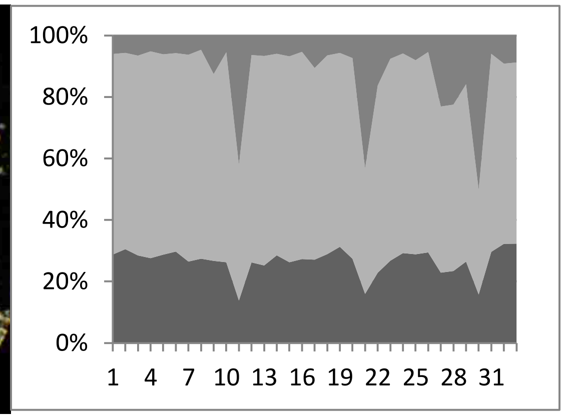
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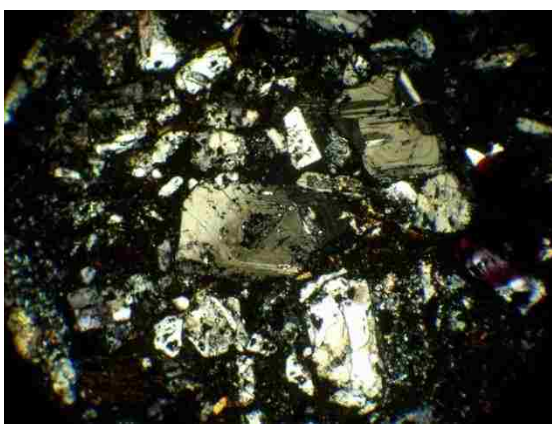

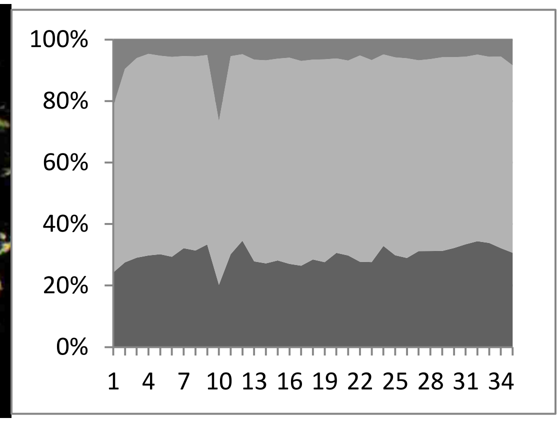
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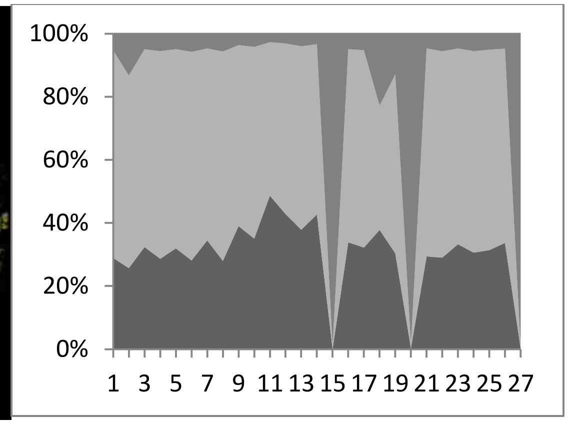
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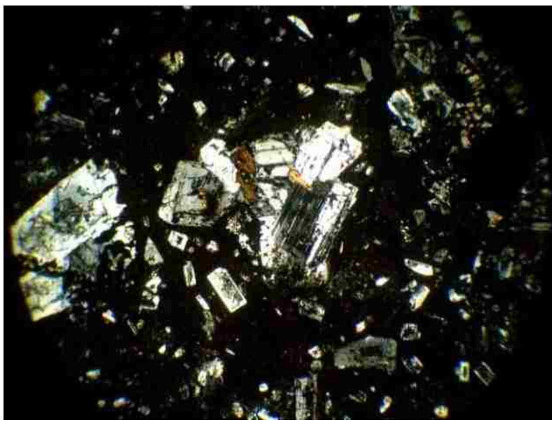

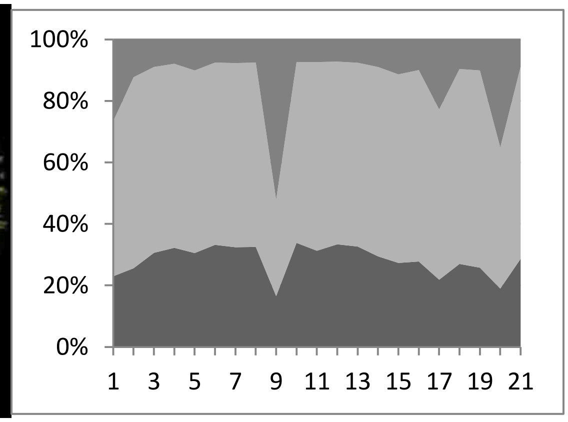
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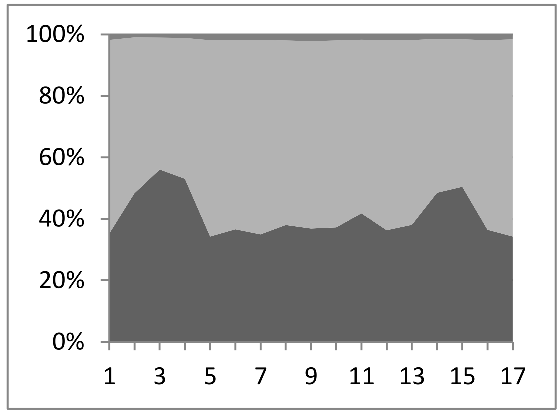
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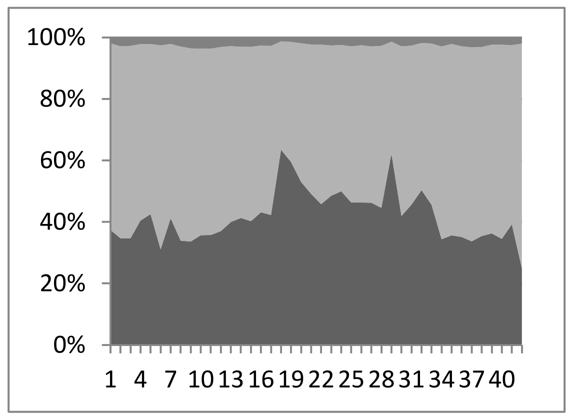
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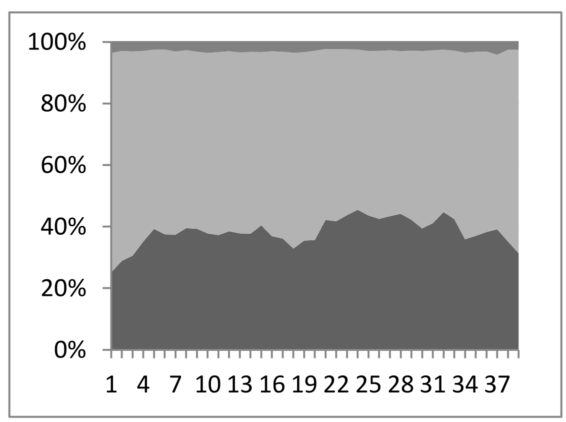
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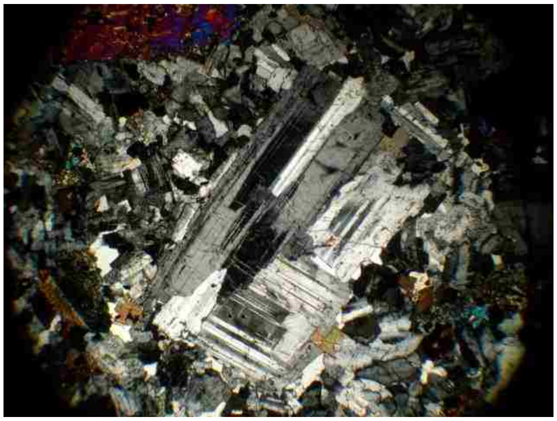

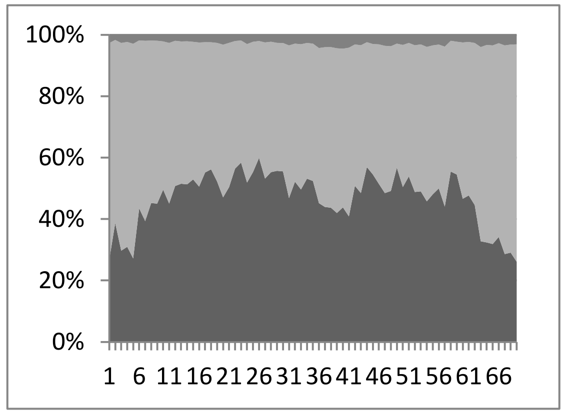
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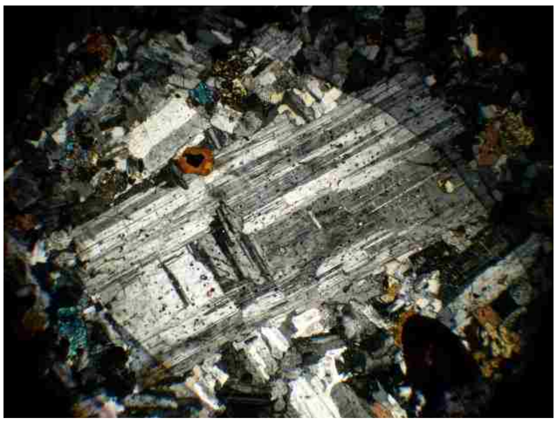

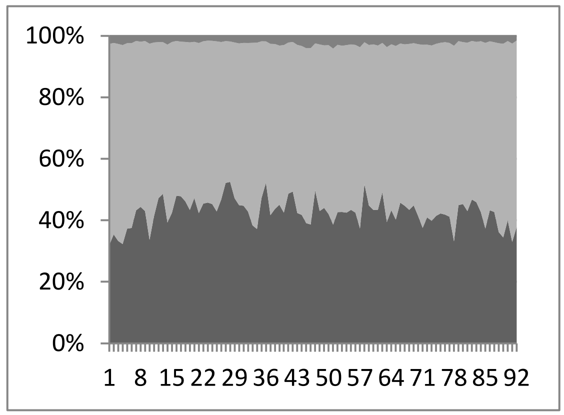
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EPMA Data

	Wt. % oxide									Calculated		
sample	Si	Al	Fe	Mg	Ca	Ba	K	Na	probe total	An#	Ab#	Or#
W0730 1-1	68.226	20.715	0.008	0.000	0.000	0.025	0.091	10.778	99.844	0.0	99.4	0.6
W0730 1-3	68.074	20.106	0.000	0.008	0.005	0.000	0.043	11.178	99.433	0.0	99.7	0.3
W0730 1-4	68.009	20.097	0.008	0.000	0.021	0.008	0.131	10.577	98.851	0.1	99.1	0.8
W0730 1-6	66.131	19.569	0.007	0.019	0.176	0.025	0.685	10.895	97.517	0.8	95.2	3.9
W0730 1-7	67.945	19.506	0.028	0.001	0.000	0.008	0.050	10.847	98.385	0.0	99.7	0.3
W0730 1-8	68.001	20.215	0.017	0.002	0.028	0.000	0.059	10.902	99.242	0.1	99.5	0.4
W0730 1-9	67.881	19.798	0.033	0.000	0.008	0.017	0.051	10.626	98.456	0.0	99.6	0.3
W0730 1-10	69.395	20.539	0.019	0.000	0.023	0.094	0.043	10.839	100.953	0.1	99.6	0.3
W0730 1-13	67.659	19.631	0.033	0.000	0.000	0.034	0.070	10.687	98.115	0.0	99.6	0.4
W0730 1-17	68.036	20.131	0.024	0.007	0.000	0.000	0.059	10.658	98.937	0.0	99.6	0.4
W0730 1-18	67.258	19.060	0.000	0.000	0.029	0.008	0.082	10.498	96.935	0.2	99.3	0.5
W0730 1-19	68.272	20.217	0.000	0.000	0.004	0.000	0.087	10.845	99.425	0.0	99.5	0.5
W0730 1-22	66.492	20.284	0.058	0.024	0.074	0.122	0.333	10.128	97.515	0.4	97.5	2.1
W0730 1-25	67.159	20.643	0.000	0.004	0.041	0.109	0.109	10.378	98.449	0.2	99.1	0.7
W0730 2-4	69.781	20.847	0.000	0.004	0.005	0.094	0.103	10.954	101.810	0.0	99.4	0.6
W0730 2-5	68.214	20.226	0.034	0.000	0.007	0.000	0.082	10.645	99.208	0.0	99.5	0.5
W0730 3-14	66.638	19.819	0.035	0.000	0.084	0.000	10.249	3.671	100.547	0.4	35.1	64.5
W0730 3-15	64.435	19.214	0.074	0.024	0.000	0.115	16.750	0.214	100.826	0.0	1.9	98.1
W0730 3-17	50.132	29.548	2.080	3.081	0.253	0.105	8.339	0.056	93.622	2.5	1.0	96.6
W0730 3-19	64.696	18.930	0.014	0.000	0.000	0.059	16.777	0.219	100.695	0.0	1.9	98.1
W0730 3-21	48.411	33.180	1.534	1.430	0.191	0.113	9.252	0.087	94.199	1.7	1.4	96.9
W0730 3-23	63.679	20.134	0.171	0.200	0.039	0.080	16.043	0.225	100.616	0.2	2.1	97.7
W0730 3-28	63.720	19.130	0.012	0.003	0.000	0.131	16.881	0.239	100.116	0.0	2.1	97.9

W0730 4-15	68.341	20.563	0.134	0.000	0.000	0.000	0.065	10.860	99.963	0.0	99.6	0.4
W0730 5-6	67.304	20.576	0.020	0.000	0.018	0.017	0.101	10.639	98.695	0.1	99.3	0.6
W0730 5-9	68.478	20.601	0.059	0.000	0.001	0.120	0.060	11.680	101.006	0.0	99.7	0.3
W0730 5-13	56.698	23.155	0.794	0.377	0.192	0.063	3.670	5.912	90.885	1.3	70.1	28.6
W0730 5-17	66.407	19.982	0.037	0.001	0.005	0.084	0.074	10.307	96.908	0.0	99.5	0.5
W0941 1-1	62.765	24.008	0.145	0.019	4.626	0.093	0.299	8.093	100.057	23.6	74.6	1.8
W0941 1-2	61.590	24.237	0.158	0.000	5.414	0.000	0.261	8.113	99.792	26.5	71.9	1.5
W0941 1-4	61.440	24.422	0.154	0.000	5.429	0.118	0.191	7.627	99.387	27.9	70.9	1.2
W0941 1-5	61.734	24.518	0.218	0.002	5.359	0.000	0.313	7.686	99.838	27.3	70.8	1.9
W0941 1-6	61.998	24.547	0.106	0.010	5.479	0.000	0.168	7.813	100.135	27.6	71.3	1.0
W0941 1-7	61.616	24.649	0.095	0.003	5.590	0.000	0.227	7.720	99.900	28.2	70.4	1.4
W0941 1-8	61.852	24.767	0.131	0.000	5.573	0.000	0.211	8.205	100.761	27.0	71.8	1.2
W0941 1-9	61.193	24.397	0.123	0.011	5.632	0.097	0.297	7.399	99.149	29.1	69.1	1.8
W0941 1-10	61.141	24.186	0.193	0.000	5.944	0.000	0.316	7.407	99.187	30.1	68.0	1.9
W0941 1-12	61.245	24.675	0.235	0.013	5.759	0.122	0.407	7.847	100.303	28.2	69.5	2.4
W0941 1-13	61.512	24.499	0.200	0.009	5.619	0.000	0.385	7.852	100.093	27.7	70.0	2.3
W0941 1-14	61.615	24.707	0.206	0.000	5.618	0.139	0.297	7.542	100.124	28.6	69.6	1.8
W0941 1-15	61.332	24.507	0.147	0.016	5.630	0.008	0.287	7.648	99.602	28.4	69.9	1.7
W0941 1-16	61.695	24.588	0.146	0.011	5.813	0.000	0.334	7.670	100.269	28.9	69.1	2.0
W0941 1-17	61.297	24.441	0.165	0.000	5.769	0.000	0.406	7.693	99.784	28.6	69.0	2.4
W0941 1-18	61.463	24.704	0.156	0.015	5.791	0.042	0.334	7.660	100.170	28.9	69.1	2.0
W0941 1-19	61.317	24.819	0.227	0.019	5.555	0.067	0.326	7.853	100.183	27.6	70.5	1.9
W0941 1-20	61.098	24.849	0.156	0.010	5.945	0.000	0.306	7.756	100.131	29.2	69.0	1.8
W0941 1-21	61.088	23.238	0.166	0.009	5.411	0.021	0.184	7.954	98.079	27.0	71.9	1.1
W0941 1-22	60.688	25.325	0.139	0.013	6.358	0.080	0.285	7.528	100.417	31.3	67.0	1.7
W0941 1-23	60.094	25.489	0.172	0.006	6.606	0.088	0.243	7.258	99.956	33.0	65.6	1.4
W0941 1-24	60.742	25.080	0.071	0.011	6.438	0.118	0.169	7.427	100.056	32.1	66.9	1.0

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W0941 1-25	59.782	25.391	0.130	0.001	6.797	0.017	0.302	7.300	99.720	33.4	64.9	1.8
W0941 1-26	60.339	24.992	0.119	0.002	6.177	0.105	0.354	7.558	99.646	30.5	67.5	2.1
W0941 1-27	59.684	25.675	0.145	0.002	6.938	0.105	0.264	6.577	99.390	36.2	62.1	1.6
W0941 1-28	58.182	26.290	0.149	0.002	8.264	0.008	0.284	6.726	99.922	39.8	58.6	1.6
W0941 1-29	54.679	29.223	0.193	0.003	10.914	0.000	0.175	4.982	100.169	54.2	44.8	1.0
W0941 1-31	54.313	28.810	0.166	0.020	10.753	0.042	0.151	5.512	99.771	51.4	47.7	0.9
W0941 1-32	57.554	27.137	0.119	0.020	8.735	0.000	0.182	6.141	99.898	43.5	55.4	1.1
W0941 1-33	57.396	27.398	0.176	0.010	8.947	0.068	0.218	6.328	100.579	43.3	55.4	1.3
W0941 1-34	54.913	28.325	0.181	0.006	10.625	0.034	0.152	5.519	99.903	51.1	48.0	0.9
W0941 1-35	55.468	28.646	0.098	0.000	10.377	0.118	0.117	5.556	100.396	50.4	48.9	0.7
W0941 1-36	56.363	28.019	0.153	0.003	9.854	0.139	0.203	5.695	100.429	48.3	50.5	1.2
W0941 1-37	53.488	29.236	0.183	0.012	11.811	0.178	0.143	4.753	99.830	57.4	41.8	0.8
W0941 1-38	53.741	29.280	0.126	0.010	11.748	0.059	0.124	5.010	100.116	56.0	43.3	0.7
W0941 1-39	56.091	28.161	0.127	0.000	9.739	0.101	0.145	5.937	100.320	47.2	52.0	0.8
W0941 1-41	54.527	29.062	0.201	0.009	11.447	0.055	0.121	4.647	100.070	57.2	42.0	0.7
W0941 1-42	55.269	28.546	0.148	0.011	10.523	0.000	0.146	5.592	100.245	50.6	48.6	0.8
W0941 1-43	55.479	28.700	0.140	0.003	10.374	0.072	0.128	5.714	100.616	49.7	49.6	0.7
W0941 1-44	54.088	29.017	0.174	0.021	11.664	0.089	0.151	5.201	100.443	54.9	44.3	0.8
W0941 1-45	52.505	30.515	0.164	0.013	13.037	0.148	0.126	4.200	100.731	62.7	36.6	0.7
W0941 1-46	51.928	31.082	0.114	0.017	13.537	0.000	0.109	3.798	100.585	65.9	33.5	0.6
W0941 1-47	54.043	30.029	0.170	0.000	12.023	0.177	0.116	4.911	101.499	57.1	42.2	0.7
W0941 1-48	54.994	29.030	0.191	0.001	11.186	0.080	0.213	5.179	100.888	53.7	45.0	1.2
W0941 1-49	56.831	27.426	0.172	0.000	9.514	0.148	0.198	6.161	100.454	45.5	53.3	1.1
W0941 1-50	57.111	27.333	0.135	0.003	9.298	0.186	0.237	6.356	100.676	44.1	54.6	1.3
W0941 1-51	55.493	28.719	0.147	0.012	10.705	0.080	0.198	5.200	100.554	52.6	46.2	1.2
W0941 1-52	57.565	26.894	0.122	0.011	7.857	0.000	0.235	6.647	99.331	39.0	59.6	1.4
W0941 1-53	54.334	29.133	0.160	0.001	11.555	0.000	0.180	4.987	100.395	55.6	43.4	1.0

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W0941 1-54	56.029	28.386	0.164	0.005	10.435	0.000	0.176	5.652	100.884	50.0	49.0	1.0
W0941 1-55	58.536	26.842	0.180	0.025	8.241	0.017	0.248	6.658	100.747	40.0	58.5	1.4
W0941 1-56	58.441	26.472	0.131	0.007	7.962	0.000	0.165	6.828	100.040	38.8	60.2	1.0
W0941 1-57	58.039	26.921	0.137	0.011	8.381	0.000	0.228	6.428	100.155	41.3	57.3	1.3
W0941 1-58	56.126	28.231	0.117	0.013	10.074	0.131	0.160	5.734	100.588	48.8	50.3	0.9
W0941 1-59	57.431	27.433	0.100	0.000	9.186	0.000	0.181	6.251	100.608	44.3	54.6	1.0
W0941 1-60	48.564	36.411	2.426	0.191	0.055	0.021	10.022	0.365	98.056	0.4	5.2	94.3
W0941 1-61	49.407	29.641	5.705	2.568	0.038	0.012	9.390	0.030	97.243	0.3	0.5	99.2
W0941 1-62	52.589	33.132	0.810	0.096	0.349	0.059	7.783	2.330	97.233	2.5	30.5	67.0
W0941 1-63	59.962	25.778	0.095	0.020	6.683	0.046	0.309	7.326	100.264	32.9	65.3	1.8
W0941 1-64	61.456	24.537	0.147	0.012	5.402	0.013	0.345	7.453	99.379	28.0	69.9	2.1
W0941 1-66	64.232	24.634	0.043	0.000	4.916	0.000	0.250	8.366	102.448	24.2	74.4	1.5
W0941 1-67	61.415	24.214	0.130	0.003	5.428	0.000	0.275	8.239	99.713	26.3	72.1	1.6
W0941 1-68	60.991	24.365	0.186	0.017	5.652	0.000	0.341	7.971	99.523	27.6	70.4	2.0
W0941 1-69	61.931	24.187	0.197	0.000	5.177	0.055	0.207	8.155	99.910	25.7	73.1	1.2
W0941 2-1	55.620	28.384	0.144	0.009	10.279	0.063	0.213	5.709	100.466	49.3	49.5	1.2
W0941 2-2	54.478	28.052	0.130	0.010	10.243	0.110	0.224	5.912	99.194	48.3	50.4	1.3
W0941 2-3	55.453	28.028	0.159	0.000	9.805	0.109	0.231	5.787	99.638	47.7	51.0	1.3
W0941 2-4	55.857	27.580	0.116	0.000	9.459	0.110	0.234	6.176	99.578	45.2	53.4	1.3
W0941 2-5	56.345	27.505	0.143	0.011	9.512	0.046	0.303	6.145	100.090	45.3	53.0	1.7
W0941 2-6	56.462	27.814	0.109	0.008	9.952	0.236	0.260	5.951	100.806	47.3	51.2	1.5
W0941 2-7	57.927	26.269	0.159	0.002	8.210	0.000	0.321	6.575	99.516	40.1	58.1	1.9
W0941 2-8	58.737	26.404	0.126	0.016	8.082	0.122	0.288	7.069	100.844	38.1	60.3	1.6
W0941 2-9	59.050	25.927	0.159	0.010	7.079	0.164	0.360	7.042	99.854	35.0	62.9	2.1
W0941 2-10	59.727	25.136	0.161	0.010	6.920	0.029	0.362	7.398	99.762	33.4	64.6	2.1
W0941 2-11	60.957	25.976	0.200	0.019	7.021	0.116	0.428	7.392	102.149	33.6	64.0	2.4
W0941 2-12	60.056	25.430	0.168	0.002	6.699	0.008	0.346	7.629	100.360	32.0	66.0	2.0

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W0941 2-13	61.745	24.645	0.120	0.000	5.362	0.084	0.214	7.879	100.068	27.0	71.7	1.3
W0941 2-14	62.146	24.740	0.126	0.000	5.525	0.214	0.194	8.048	101.002	27.2	71.7	1.1
W0941 2-16	62.016	24.763	0.141	0.000	5.463	0.000	0.221	7.771	100.386	27.6	71.1	1.3
W0941 3-1	61.881	24.536	0.247	0.006	5.357	0.046	0.266	7.971	100.319	26.7	71.8	1.6
W0941 3-2	61.596	24.344	0.159	0.002	5.553	0.000	0.287	7.890	99.833	27.5	70.8	1.7
W0941 3-3	61.915	24.152	0.161	0.000	5.586	0.029	0.303	7.536	99.691	28.5	69.6	1.8
W0941 3-4	61.733	24.268	0.177	0.000	5.513	0.000	0.321	7.891	99.914	27.3	70.8	1.9
W0941 3-5	62.162	24.263	0.209	0.004	4.959	0.021	0.358	7.969	99.953	25.0	72.8	2.2
W0941 3-6	62.181	24.371	0.172	0.002	5.263	0.189	0.357	8.126	100.661	25.8	72.1	2.1
W0941 3-8	61.873	24.450	0.155	0.000	5.523	0.097	0.369	7.883	100.353	27.3	70.5	2.2
W0941 3-9	62.041	24.275	0.169	0.000	5.526	0.118	0.418	7.674	100.256	27.8	69.7	2.5
W0941 3-10	62.752	24.797	0.163	0.004	5.501	0.034	0.432	7.929	101.635	27.0	70.5	2.5
W0941 3-11	60.916	25.121	0.156	0.000	6.209	0.147	0.421	7.578	100.575	30.4	67.1	2.5
W0941 3-12	60.590	25.203	0.138	0.004	6.320	0.038	0.412	7.238	99.959	31.7	65.8	2.5
W0941 3-13	58.629	24.251	0.128	0.000	6.239	0.008	0.401	7.387	97.043	31.1	66.6	2.4
W0941 3-14	60.180	23.898	0.123	0.010	5.637	0.000	0.458	7.832	98.147	27.7	69.6	2.7
W0941 3-15	61.474	24.250	0.148	0.012	5.549	0.038	0.334	7.701	99.506	27.9	70.1	2.0
W0941 3-17	60.177	24.929	0.082	0.005	5.992	0.143	0.141	7.666	99.136	29.9	69.3	0.8
W0941 3-18	62.069	24.178	0.044	0.000	5.343	0.000	0.211	8.143	99.993	26.3	72.5	1.2
W0941 3-19	58.491	25.172	0.156	0.004	7.338	0.160	0.188	7.252	98.791	35.5	63.4	1.1
W0941 3-20	58.928	25.739	0.128	0.000	7.234	0.000	0.128	7.159	99.316	35.6	63.7	0.7
W0941 3-21	60.786	23.909	0.133	0.000	5.429	0.034	0.212	7.994	98.497	26.9	71.8	1.3
W0941 3-22	58.664	25.058	0.158	0.000	6.525	0.092	0.165	7.227	97.889	33.0	66.1	1.0
W0941 3-23	62.830	23.845	0.062	0.006	4.521	0.000	0.230	8.094	99.608	23.3	75.3	1.4
W0941 3-24	59.443	26.103	0.112	0.010	7.802	0.135	0.126	7.276	101.007	36.9	62.3	0.7
W0941 3-25	58.580	26.660	0.191	0.006	8.107	0.151	0.160	6.914	100.769	39.0	60.1	0.9
W0941 3-26	58.810	25.740	0.126	0.000	7.314	0.038	0.168	6.963	99.159	36.4	62.6	1.0

W0941 3-27	57.850	25.820	0.175	0.009	7.367	0.000	0.169	6.682	98.072	37.5	61.5	1.0
W0941 3-28	58.995	25.565	0.156	0.000	7.076	0.000	0.178	6.828	98.813	36.0	62.9	1.1
W0941 3-29	58.511	26.339	0.166	0.019	7.183	0.038	0.155	6.801	99.212	36.5	62.6	0.9
W0941 3-30	57.858	27.283	0.105	0.001	8.705	0.000	0.143	6.698	100.793	41.5	57.7	0.8
W0941 3-31	59.285	25.525	0.104	0.000	7.707	0.080	0.177	7.274	100.157	36.6	62.4	1.0
W0941 3-32	58.124	26.111	0.076	0.022	8.045	0.000	0.202	6.378	98.964	40.6	58.2	1.2
W0941 3-33	56.098	24.908	0.140	0.016	7.788	0.000	0.218	6.374	95.553	39.8	58.9	1.3
W0941 3-34	59.187	26.145	0.213	0.006	7.630	0.055	0.234	7.053	100.555	36.9	61.7	1.3
W0941 3-35	59.164	26.175	0.109	0.000	7.623	0.072	0.190	7.092	100.425	36.9	62.0	1.1
W0941 3-36	58.899	25.208	0.082	0.000	6.779	0.000	0.119	7.230	98.327	33.9	65.4	0.7
W0941 3-37	60.204	24.436	0.099	0.009	5.728	0.000	0.121	7.949	98.546	28.3	71.0	0.7
W0941 3-38	61.083	24.129	0.182	0.009	5.769	0.008	0.188	7.713	99.082	28.9	70.0	1.1
W0941 3-39	60.823	24.928	0.151	0.000	6.117	0.076	0.182	7.915	100.194	29.6	69.3	1.0
W0941 3-40	60.747	24.760	0.097	0.000	5.989	0.000	0.259	7.956	99.821	28.9	69.6	1.5
W0941 3-41	58.673	25.892	0.138	0.001	7.554	0.000	0.177	6.984	99.460	37.0	61.9	1.0
W0941 3-42	57.709	26.180	0.139	0.020	7.872	0.164	0.158	6.797	99.074	38.7	60.4	0.9
W0941 3-43	60.472	24.394	0.128	0.009	5.820	0.051	0.307	7.925	99.107	28.4	69.9	1.8
W0941 3-44	58.467	25.926	0.119	0.000	7.361	0.000	0.215	6.439	98.536	38.2	60.5	1.3
W0941 3-45	58.254	26.844	0.144	0.001	8.029	0.029	0.188	6.567	100.056	39.9	59.0	1.1
W0941 3-46	57.714	26.972	0.157	0.003	8.570	0.156	0.232	6.269	100.073	42.4	56.2	1.4
W0941 3-47	57.140	26.942	0.099	0.008	8.885	0.063	0.133	6.225	99.500	43.8	55.5	0.8
W0941 3-48	57.008	25.372	0.134	0.005	7.987	0.088	0.116	6.868	97.578	38.9	60.5	0.7
W0941 3-49	58.847	26.656	0.133	0.001	7.867	0.034	0.182	6.930	100.664	38.1	60.8	1.1
W0941 3-50	56.855	26.256	0.147	0.000	8.492	0.101	0.204	5.671	97.726	44.7	54.0	1.3
W0941 3-51	57.747	26.816	0.117	0.009	8.757	0.122	0.188	6.446	100.202	42.4	56.5	1.1
W0941 3-52	57.265	26.799	0.086	0.000	8.713	0.177	0.192	6.152	99.393	43.4	55.5	1.1
W0941 3-53	53.798	25.875	0.285	0.018	8.804	0.059	0.123	5.637	94.605	46.0	53.3	0.8

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W0941 4-1	60.209	25.366	0.153	0.000	6.323	0.059	0.199	7.884	100.199	30.4	68.5	1.1
W0941 4-2	59.630	25.141	0.153	0.000	6.594	0.042	0.256	6.756	98.588	34.5	63.9	1.6
W0941 4-3	60.661	25.129	0.158	0.010	6.511	0.000	0.308	7.514	100.321	31.8	66.4	1.8
W0941 4-4	59.163	25.288	0.583	0.000	6.857	0.118	0.261	7.734	100.819	32.4	66.1	1.5
W0941 4-5	59.798	25.965	0.147	0.001	7.101	0.101	0.292	7.308	100.713	34.3	64.0	1.7
W0941 4-6	61.489	25.073	0.122	0.000	6.026	0.118	0.198	7.687	100.713	29.9	69.0	1.2
W0941 4-7	60.334	25.321	0.136	0.007	6.562	0.004	0.264	7.738	100.366	31.4	67.1	1.5
W0941 4-8	60.505	25.289	0.128	0.000	6.425	0.059	0.266	8.080	100.767	30.1	68.4	1.5
W0941 4-9	59.229	25.916	0.160	0.000	7.311	0.093	0.259	7.351	100.319	34.9	63.6	1.5
W0941 4-10	58.454	26.447	0.140	0.004	7.950	0.000	0.245	7.024	100.264	37.9	60.7	1.4
W0941 4-11	57.444	27.166	0.132	0.004	8.448	0.025	0.273	6.284	99.795	41.9	56.4	1.6
W0941 4-12	57.100	27.816	0.126	0.011	9.603	0.004	0.288	6.217	101.165	45.3	53.1	1.6
W0941 4-13	56.612	26.880	0.135	0.000	9.622	0.013	0.255	6.181	99.698	45.6	53.0	1.4
W0941 4-14	56.506	27.668	0.183	0.005	9.478	0.004	0.208	6.176	100.228	45.3	53.5	1.2
W0941 4-15	55.805	27.490	0.186	0.015	9.726	0.051	0.229	6.116	100.691	46.2	52.5	1.3
W0941 4-16	56.052	28.185	0.176	0.015	9.960	0.013	0.200	5.828	100.477	48.0	50.8	1.1
W0941 4-17	55.619	28.237	0.158	0.013	10.477	0.000	0.236	5.499	100.302	50.6	48.1	1.4
W0941 4-18	55.545	28.554	0.174	0.000	10.432	0.000	0.232	5.565	100.559	50.2	48.5	1.3
W0941 4-19	58.277	26.519	0.160	0.008	7.778	0.215	0.371	6.714	100.076	38.2	59.6	2.2
W0941 4-20	59.394	25.174	0.162	0.008	6.906	0.093	0.418	6.798	98.995	35.0	62.4	2.5
W0941 4-21	59.952	25.788	0.157	0.000	7.025	0.013	0.380	7.346	100.680	33.8	64.0	2.2
W0941 4-22	56.093	27.567	0.154	0.005	9.542	0.089	0.211	6.238	99.923	45.3	53.5	1.2
W0941 4-23	57.951	26.954	0.156	0.000	8.784	0.000	0.270	6.715	100.870	41.3	57.2	1.5
W0941 4-24	58.210	26.779	0.149	0.009	8.441	0.076	0.131	6.909	100.752	40.0	59.3	0.7
W0941 4-25	59.322	25.864	0.114	0.000	7.437	0.173	0.144	7.249	100.303	35.9	63.3	0.8
W0941 4-26	56.964	27.237	0.095	0.006	8.937	0.127	0.204	6.525	100.115	42.6	56.3	1.2
W0941 4-27	57.789	26.720	0.128	0.004	8.656	0.068	0.174	6.812	100.381	40.8	58.2	1.0

W0941 4-28	57.299	26.309	0.121	0.000	8.264	0.059	0.150	6.576	98.778	40.6	58.5	0.9
W0941 4-29	57.941	27.242	0.153	0.000	8.697	0.000	0.131	6.729	100.905	41.4	57.9	0.7
W0941 4-30	58.220	26.553	0.178	0.018	8.098	0.117	0.166	6.939	100.289	38.8	60.2	0.9
W0941 4-31	59.045	26.384	0.135	0.000	7.636	0.000	0.230	7.104	100.553	36.8	61.9	1.3
W0941 4-32	60.547	25.391	0.156	0.000	6.668	0.044	0.200	7.551	100.583	32.4	66.4	1.2
W0941 4-33	59.781	25.129	0.142	0.010	6.986	0.070	0.268	6.888	99.309	35.3	63.0	1.6
W0941 4-34	60.198	25.307	0.102	0.007	6.631	0.161	0.219	7.975	100.677	31.1	67.7	1.2
W0941 4-35	61.733	24.226	0.159	0.000	5.602	0.143	0.234	8.159	100.256	27.1	71.5	1.3
W0941 4-36	61.080	24.264	0.197	0.014	5.491	0.000	0.313	8.390	99.749	26.1	72.1	1.8
W0941 4-37	61.670	23.707	0.142	0.000	5.495	0.043	0.334	7.884	99.297	27.3	70.8	2.0
W0941 4-38	62.008	24.253	0.129	0.002	5.505	0.052	0.176	8.440	100.565	26.2	72.8	1.0
W0941 4-39	61.767	24.091	0.115	0.000	5.428	0.000	0.273	8.424	100.131	25.9	72.6	1.5
W0941 4-43	61.569	24.165	0.132	0.000	5.423	0.104	0.288	8.407	100.105	25.8	72.5	1.6
W0941 4-44	61.912	23.921	0.152	0.000	5.480	0.087	0.362	8.223	100.142	26.4	71.6	2.1
W0941 5-1	59.997	25.456	0.099	0.004	6.949	0.052	0.252	7.488	100.303	33.4	65.1	1.4
W0941 5-2	56.418	27.330	0.138	0.000	9.360	0.157	0.240	5.820	99.496	46.4	52.2	1.4
W0941 5-3	56.470	27.241	0.241	0.000	9.180	0.091	0.255	5.917	99.498	45.5	53.0	1.5
W0941 5-4	57.044	27.108	0.138	0.001	8.825	0.043	0.247	6.195	99.641	43.4	55.1	1.4
W0941 5-5	56.723	26.861	0.125	0.009	8.964	0.144	0.221	6.306	99.388	43.4	55.3	1.3
W0941 5-6	56.468	26.963	0.084	0.001	9.029	0.087	0.210	6.288	99.182	43.7	55.1	1.2
W0941 5-7	56.540	27.404	0.139	0.013	9.296	0.061	0.193	6.448	100.154	43.9	55.1	1.1
W0941 5-8	56.535	26.914	0.157	0.000	9.345	0.000	0.190	6.219	99.393	44.9	54.0	1.1
W0941 5-9	58.356	26.596	0.086	0.000	8.042	0.070	0.131	6.612	99.894	39.9	59.3	0.8
W0941 5-10	59.161	25.641	0.097	0.009	7.330	0.083	0.180	7.164	99.665	35.7	63.2	1.0
W0941 5-11	58.710	25.994	0.134	0.000	7.477	0.000	0.177	7.143	99.673	36.3	62.7	1.0
W0941 5-12	57.200	26.227	0.082	0.025	8.220	0.113	0.233	6.723	98.857	39.8	58.9	1.3
W0941 5-13	57.611	26.684	0.129	0.000	8.608	0.078	0.231	6.255	99.596	42.6	56.0	1.4

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W0941 5-14	58.776	25.036	0.086	0.014	7.109	0.113	0.137	7.337	98.622	34.6	64.6	0.8
W0941 5-15	57.241	27.202	0.121	0.000	8.967	0.000	0.150	6.230	99.911	43.9	55.2	0.9
W0941 5-16	57.545	27.016	0.054	0.000	8.677	0.000	0.121	6.368	99.792	42.6	56.6	0.7
W0941 5-17	57.648	26.285	0.102	0.019	7.901	0.009	0.118	6.747	98.837	39.0	60.3	0.7
W0941 5-18	61.274	24.005	0.039	0.000	5.670	0.000	0.145	8.254	99.408	27.3	71.9	0.8
W0941 5-19	60.690	24.258	0.048	0.005	5.709	0.100	0.131	8.143	99.084	27.7	71.5	0.8
W0941 5-20	59.953	25.334	0.116	0.007	7.063	0.004	0.182	7.375	100.054	34.2	64.7	1.1
W0941 5-21	60.848	24.124	0.068	0.010	4.880	0.100	0.255	8.178	98.473	24.4	74.1	1.5
W0941 5-22	62.242	23.638	0.095	0.001	4.306	0.082	0.369	8.560	99.335	21.3	76.5	2.2
W0941 5-23	54.233	28.801	0.137	0.002	10.909	0.000	0.136	5.266	99.484	53.0	46.3	0.8
W0941 5-24	56.164	27.766	0.094	0.003	9.666	0.052	0.166	5.988	99.924	46.7	52.3	1.0
W0941 5-25	57.123	26.573	0.129	0.000	8.465	0.078	0.204	6.581	99.153	41.1	57.8	1.2
W0941 5-26	57.850	26.336	0.119	0.006	8.256	0.209	0.229	6.619	99.675	40.3	58.4	1.3
W0941 5-27	57.709	26.813	0.125	0.003	8.406	0.135	0.240	6.502	99.933	41.1	57.5	1.4
W0941 5-28	57.554	26.537	0.174	0.001	8.447	0.104	0.245	6.537	99.636	41.1	57.5	1.4
W0941 5-29	57.327	26.867	0.141	0.000	8.659	0.144	0.213	6.563	99.918	41.7	57.1	1.2
W0941 5-30	56.716	26.656	0.111	0.019	8.962	0.257	0.199	6.316	99.240	43.4	55.4	1.1
W0941 5-31	57.712	26.622	0.139	0.000	8.429	0.017	0.226	6.624	99.775	40.7	57.9	1.3
W0941 5-32	57.855	26.343	0.065	0.000	8.389	0.196	0.224	6.620	99.699	40.7	58.1	1.3
W0941 5-33	56.903	26.777	0.174	0.007	8.244	0.200	0.283	6.646	99.239	40.0	58.4	1.6
W0941 5-34	58.065	26.629	0.135	0.010	8.455	0.104	0.287	6.708	100.393	40.4	58.0	1.6
W0941 5-35	56.877	26.882	0.141	0.014	8.537	0.070	0.271	6.280	99.072	42.2	56.2	1.6
W0941 5-36	56.171	27.759	0.146	0.000	9.555	0.239	0.248	6.046	100.196	46.0	52.6	1.4
W0941 5-37	56.208	27.941	0.149	0.010	9.393	0.083	0.230	5.638	99.689	47.3	51.3	1.4
W0941 5-38	56.779	27.607	0.102	0.000	9.632	0.122	0.165	6.116	100.566	46.1	53.0	0.9
W0941 5-39	55.395	28.142	0.182	0.000	10.181	0.057	0.218	5.672	99.855	49.2	49.6	1.3
W0941 5-40	54.402	28.335	0.171	0.000	10.670	0.057	0.186	4.867	98.739	54.2	44.7	1.1

W0941 5-41	55.737	27.480	0.097	0.003	9.366	0.000	0.168	6.015	98.866	45.8	53.2	1.0
W0941 5-42	56.175	28.020	0.126	0.017	9.661	0.213	0.184	5.974	100.392	46.7	52.2	1.1
W0941 5-43	55.919	27.879	0.147	0.000	9.667	0.048	0.170	5.695	99.525	47.9	51.1	1.0
W0941 5-44	53.673	28.522	0.137	0.000	10.934	0.057	0.182	4.950	98.492	54.4	44.5	1.1
W0941 5-45	55.687	28.052	0.144	0.003	10.280	0.039	0.214	5.412	99.862	50.6	48.2	1.3
W0941 5-46	56.977	27.431	0.195	0.000	9.173	0.000	0.156	6.164	100.138	44.7	54.4	0.9
W0941 5-47	56.668	27.330	0.158	0.013	9.089	0.070	0.214	6.435	99.995	43.3	55.5	1.2
W0941 5-48	56.392	27.313	0.124	0.000	9.224	0.122	0.268	6.163	99.614	44.6	53.9	1.5
W0941 5-49	55.847	27.179	0.142	0.000	9.259	0.087	0.223	6.033	98.848	45.3	53.4	1.3
W0941 5-50	57.200	27.119	0.153	0.000	8.598	0.139	0.247	6.110	99.576	43.1	55.4	1.5
W0941 5-51	58.055	26.287	0.087	0.001	7.868	0.026	0.231	6.855	99.423	38.3	60.4	1.3
W0941 5-52	58.113	26.113	0.092	0.006	7.914	0.000	0.267	6.561	99.082	39.4	59.1	1.6
W0941 5-53	57.712	26.824	0.155	0.006	8.434	0.078	0.232	6.829	100.293	40.0	58.7	1.3
W0941 5-54	58.464	26.397	0.174	0.014	8.062	0.000	0.236	7.031	100.384	38.3	60.4	1.3
W0941 5-55	56.988	26.496	0.140	0.009	8.127	0.174	0.246	6.748	98.942	39.4	59.2	1.4
W0941 5-56	58.525	26.124	0.125	0.001	7.457	0.000	0.213	7.035	99.487	36.5	62.3	1.2
W0941 5-57	59.735	25.387	0.176	0.000	6.940	0.074	0.282	7.356	99.953	33.7	64.7	1.6
W0941 5-58	60.513	24.904	0.114	0.000	6.347	0.000	0.233	7.735	99.853	30.8	67.9	1.3
W0941 5-59	60.959	24.712	0.185	0.000	6.044	0.013	0.227	7.984	100.146	29.1	69.6	1.3
W0943 1-1	55.033	28.728	0.246	0.011	10.864	0.096	0.187	5.298	100.463	52.5	46.4	1.1
W0943 1-2	55.794	27.948	0.216	0.009	10.140	0.000	0.194	5.228	99.529	51.1	47.7	1.2
W0943 1-3	55.214	28.901	0.511	0.348	3.663	0.274	4.402	5.252	98.565	19.9	51.6	28.5
W0943 1-4	56.012	27.536	0.170	0.000	9.867	0.113	0.205	5.955	99.862	47.2	51.6	1.2
W0943 1-5	56.911	27.234	0.220	0.004	9.182	0.000	0.293	6.177	100.041	44.3	54.0	1.7
W0943 1-6	58.327	27.825	0.192	0.025	8.708	0.115	0.334	6.498	102.029	41.7	56.4	1.9
W0943 1-7	56.860	27.123	0.175	0.006	8.952	0.091	0.300	6.186	99.724	43.7	54.6	1.7
W0943 1-8	56.800	27.452	0.132	0.013	9.373	0.100	0.150	6.416	100.436	44.3	54.9	0.8

W0943 1-9	57.373	26.880	0.172	0.007	8.884	0.091	0.299	6.396	100.115	42.7	55.6	1.7
W0943 1-10	57.579	26.685	0.182	0.012	8.681	0.000	0.330	6.554	100.035	41.5	56.7	1.9
W0943 1-11	57.357	27.232	0.177	0.000	8.937	0.078	0.258	6.308	100.368	43.3	55.3	1.5
W0943 1-12	57.675	26.627	0.182	0.000	8.264	0.096	0.301	6.574	99.719	40.3	58.0	1.7
W0943 1-13	57.815	26.742	0.177	0.000	8.698	0.000	0.298	6.638	100.368	41.3	57.0	1.7
W0943 1-14	57.156	27.396	0.179	0.025	8.966	0.000	0.274	6.263	100.259	43.5	54.9	1.6
W0943 1-15	57.075	26.598	0.111	0.000	9.233	0.148	0.192	6.369	99.737	44.0	54.9	1.1
W0943 1-16	58.476	26.378	0.184	0.017	8.412	0.117	0.323	6.900	100.807	39.5	58.7	1.8
W0943 1-17	56.917	27.061	0.139	0.009	9.166	0.100	0.219	6.242	99.856	44.2	54.5	1.3
W0943 1-18	56.726	27.524	0.124	0.000	9.300	0.039	0.250	6.225	100.188	44.6	54.0	1.4
W0943 1-19	56.688	27.389	0.197	0.015	9.480	0.000	0.233	5.844	99.846	46.6	52.0	1.4
W0943 1-20	56.375	27.439	0.207	0.000	9.807	0.000	0.226	5.478	99.532	49.1	49.6	1.3
W0943 1-21	55.163	27.755	0.152	0.018	9.885	0.087	0.167	6.133	99.360	46.7	52.4	0.9
W0943 1-22	55.938	27.995	0.129	0.006	10.020	0.087	0.173	5.954	100.302	47.7	51.3	1.0
W0943 1-23	56.838	26.846	0.210	0.019	8.921	0.126	0.265	6.551	99.795	42.3	56.2	1.5
W0943 1-24	57.483	27.237	0.168	0.003	8.881	0.087	0.251	6.208	100.343	43.5	55.0	1.5
W0943 1-25	57.064	27.488	0.124	0.011	9.098	0.000	0.211	6.198	100.200	44.2	54.5	1.2
W0943 1-26	61.193	24.608	0.150	0.003	6.050	0.035	0.177	8.211	100.440	28.6	70.4	1.0
W0943 1-27	56.975	27.384	0.180	0.011	9.252	0.148	0.207	6.154	100.311	44.8	54.0	1.2
W0943 1-28	56.842	25.864	0.190	0.000	7.615	0.000	0.325	6.831	97.681	37.4	60.7	1.9
W0943 1-29	57.173	27.369	0.248	0.001	9.089	0.000	0.247	6.221	100.348	44.0	54.5	1.4
W0943 1-33	61.296	23.692	0.144	0.012	4.965	0.113	0.183	8.553	98.966	24.0	74.9	1.1
W0943 1-34	56.927	27.125	0.264	0.003	9.198	0.061	0.282	6.401	100.261	43.6	54.9	1.6
W0943 1-35	57.034	27.141	0.194	0.017	8.887	0.000	0.358	6.624	100.255	41.7	56.3	2.0
W0943 1-36	55.258	27.753	0.157	0.000	9.858	0.000	0.343	6.128	99.497	46.2	51.9	1.9
W0943 1-37	56.334	27.584	0.235	0.004	9.666	0.117	0.335	5.721	99.996	47.3	50.7	2.0
W0943 1-38	58.052	26.304	0.200	0.011	7.969	0.026	0.444	6.384	99.390	39.7	57.6	2.6

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W0943 1-39	59.342	25.346	0.252	0.007	7.122	0.061	0.423	7.069	99.622	34.9	62.7	2.5
W0943 1-40	57.815	26.623	0.150	0.024	8.630	0.000	0.421	6.175	99.848	42.5	55.0	2.5
W0943 1-41	58.173	26.023	0.151	0.011	8.040	0.022	0.379	6.183	98.982	40.9	56.9	2.3
W0943 1-42	56.864	26.896	0.153	0.017	9.004	0.000	0.355	6.129	99.418	43.9	54.1	2.1
W0943 1-43	56.881	27.196	0.204	0.005	9.088	0.000	0.341	5.491	99.216	46.8	51.1	2.1
W0943 1-44	56.434	27.620	0.150	0.004	9.322	0.026	0.316	5.754	99.652	46.4	51.8	1.9
W0943 1-45	56.294	27.498	0.185	0.019	9.506	0.026	0.270	5.777	99.575	46.9	51.5	1.6
W0943 1-46	56.211	27.691	0.202	0.015	9.692	0.118	0.285	5.397	99.611	49.0	49.3	1.7
W0943 1-47	56.673	27.456	0.205	0.008	9.693	0.013	0.263	5.841	100.173	47.1	51.4	1.5
W0943 1-48	58.968	26.006	0.222	0.010	7.558	0.000	0.359	6.107	99.230	39.7	58.1	2.2
W0943 1-49	58.437	27.052	0.158	0.018	8.700	0.000	0.293	6.143	100.801	43.1	55.1	1.7
W0943 1-50	58.651	26.322	0.166	0.010	8.018	0.104	0.340	6.481	100.092	39.8	58.2	2.0
W0943 1-51	56.816	26.751	0.155	0.000	9.217	0.157	0.267	5.824	99.200	45.9	52.5	1.6
W0943 1-52	56.975	27.157	0.192	0.003	8.844	0.087	0.248	6.072	99.591	43.9	54.6	1.5
W0943 1-53	57.027	26.791	0.213	0.015	9.111	0.017	0.290	5.949	99.426	45.1	53.2	1.7
W0943 1-54	56.457	27.122	0.177	0.015	9.394	0.070	0.248	5.726	99.210	46.9	51.7	1.5
W0943 1-55	57.077	27.108	0.175	0.000	8.837	0.200	0.296	5.401	99.125	46.6	51.5	1.9
W0943 1-56	57.113	26.953	0.178	0.005	8.862	0.004	0.325	5.972	99.412	44.2	53.9	1.9
W0943 1-57	54.517	26.088	0.158	0.013	12.434	0.026	0.266	4.720	98.222	58.4	40.1	1.5
W0943 1-58	55.754	25.783	0.185	0.000	10.945	0.092	0.243	5.364	98.373	52.3	46.4	1.4
W0943 1-59	59.488	25.738	0.093	0.000	7.196	0.000	0.213	7.112	99.840	35.4	63.3	1.2
W0943 1-60	56.827	26.922	0.179	0.012	8.268	0.044	0.316	5.853	98.421	43.0	55.1	2.0
W0943 1-61	57.304	27.077	0.205	0.005	8.705	0.000	0.287	5.879	99.462	44.2	54.0	1.7
W0943 1-62	56.227	27.298	0.215	0.004	9.136	0.022	0.332	5.950	99.184	45.0	53.0	1.9
W0943 1-63	56.859	27.113	0.244	0.027	9.094	0.122	0.370	5.947	99.814	44.8	53.0	2.2
W0943 1-64	57.109	26.668	0.225	0.013	8.615	0.187	0.457	6.135	99.409	42.5	54.8	2.7
W0943 1-65	57.195	26.387	0.283	0.009	8.442	0.126	0.407	6.496	99.370	40.8	56.8	2.3

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W0943 1-66	57.595	26.446	0.228	0.019	8.544	0.117	0.384	6.276	99.655	42.0	55.8	2.2
W0943 1-67	57.505	26.188	0.202	0.011	8.486	0.000	0.356	6.057	98.824	42.7	55.2	2.1
W0943 1-68	57.701	26.508	0.231	0.006	8.332	0.156	0.386	6.178	99.504	41.7	56.0	2.3
W0943 1-69	57.494	26.671	0.220	0.004	8.529	0.209	0.165	6.188	99.485	42.8	56.2	1.0
W0943 1-70	56.840	26.952	0.236	0.004	8.746	0.104	0.349	6.045	99.317	43.5	54.4	2.1
W0943 1-71	57.399	26.152	0.206	0.020	8.648	0.178	0.385	6.253	99.265	42.3	55.4	2.2
W0943 1-72	57.692	26.469	0.233	0.006	8.348	0.083	0.388	6.354	99.584	41.1	56.6	2.3
W0943 1-73	57.257	26.385	0.205	0.000	8.450	0.022	0.369	6.195	98.890	42.0	55.8	2.2
W0943 1-74	56.841	26.523	0.212	0.000	8.594	0.022	0.176	5.521	97.889	45.7	53.2	1.1
W0943 1-75	57.611	26.405	0.216	0.008	8.608	0.000	0.177	6.371	99.396	42.3	56.7	1.0
W0943 1-76	57.170	27.095	0.204	0.000	8.895	0.087	0.262	6.032	99.758	44.2	54.2	1.6
W0943 1-77	57.168	26.721	0.210	0.000	8.826	0.069	0.272	6.332	99.617	42.8	55.6	1.6
W0943 1-78	55.314	28.069	0.195	0.004	10.083	0.000	0.201	5.585	99.453	49.4	49.5	1.2
W0943 1-79	57.158	26.669	0.198	0.017	8.853	0.156	0.264	6.166	99.504	43.6	54.9	1.5
W0943 1-80	57.136	26.584	0.291	0.000	8.926	0.004	0.279	6.301	99.532	43.2	55.2	1.6
W0943 1-81	56.429	27.460	0.402	0.019	9.603	0.000	0.208	5.815	99.957	47.1	51.6	1.2
W0943 2-1	57.052	26.376	0.206	0.000	8.277	0.013	0.345	6.696	98.989	39.8	58.2	2.0
W0943 2-2	58.322	26.180	0.213	0.000	7.933	0.126	0.385	6.871	100.049	38.1	59.7	2.2
W0943 2-3	62.791	22.999	0.051	0.000	3.822	0.004	0.289	8.979	98.935	18.7	79.6	1.7
W0943 2-4	63.565	22.841	0.046	0.003	3.680	0.104	0.220	9.457	99.916	17.5	81.3	1.2
W0943 2-5	63.660	22.665	0.046	0.000	3.201	0.121	0.188	9.320	99.230	15.8	83.1	1.1
W0943 2-6	63.815	22.171	0.073	0.000	2.742	0.173	0.325	10.059	99.358	12.9	85.3	1.8
W0943 2-7	62.769	22.729	0.067	0.002	3.620	0.030	0.200	9.401	98.828	17.3	81.5	1.1
W0943 2-8	65.035	21.890	0.075	0.000	2.473	0.100	0.291	9.992	99.863	11.8	86.5	1.7
W0943 2-9	63.116	22.756	0.052	0.003	4.053	0.069	0.221	9.007	99.300	19.7	79.1	1.3
W0943 2-10	61.350	23.339	0.189	0.113	5.282	0.122	0.207	8.605	99.223	25.0	73.8	1.2
W0943 2-11	63.478	22.538	0.072	0.001	3.468	0.091	0.288	9.432	99.382	16.6	81.7	1.6

W0943 2-12	62.945	23.066	0.062	0.018	3.878	0.052	0.236	9.347	99.617	18.4	80.3	1.3
W0943 2-13	63.690	22.388	0.084	0.004	3.287	0.082	0.312	9.440	99.308	15.8	82.4	1.8
W0943 2-14	63.160	22.572	0.088	0.002	3.380	0.078	0.338	9.042	98.667	16.8	81.2	2.0
W0943 2-15	64.182	22.011	0.019	0.004	2.753	0.004	0.404	9.318	98.707	13.7	83.9	2.4
W0943 2-16	64.236	22.313	0.074	0.009	3.152	0.199	0.319	9.626	99.941	15.0	83.1	1.8
W0943 2-17	64.387	21.613	0.088	0.002	2.593	0.061	0.290	9.688	98.722	12.7	85.6	1.7
W0943 2-18	62.504	23.362	0.088	0.000	4.142	0.117	0.246	9.007	99.466	20.0	78.6	1.4
W0943 2-19	58.862	25.872	0.239	0.022	7.472	0.130	0.340	7.244	100.181	35.6	62.5	1.9
W0943 2-20	56.553	27.487	0.168	0.000	9.268	0.035	0.190	6.242	99.943	44.6	54.3	1.1
W0943 2-21	60.167	24.391	0.167	0.000	6.389	0.083	0.155	7.743	99.095	31.0	68.1	0.9
W0943 3-1	58.767	25.707	0.329	0.010	7.668	0.035	0.368	7.237	100.144	36.2	61.8	2.1
W0943 3-2	57.976	26.629	0.241	0.003	8.270	0.074	0.306	6.604	100.116	40.2	58.1	1.8
W0943 3-3	61.040	24.688	0.128	0.018	5.843	0.052	0.220	8.263	100.252	27.7	71.0	1.2
W0943 3-6	63.771	22.655	0.021	0.003	3.436	0.026	0.253	9.484	99.650	16.4	82.1	1.4
W0943 3-8	58.636	25.591	0.225	0.000	7.281	0.000	0.231	7.254	99.218	35.2	63.5	1.3
W0943 3-9	58.885	25.834	0.198	0.010	6.492	0.056	0.246	7.356	99.100	32.3	66.2	1.5
W0943 3-10	57.164	26.857	0.204	0.017	9.008	0.000	0.227	6.533	100.015	42.7	56.0	1.3
W0943 3-11	57.103	26.811	0.164	0.016	8.568	0.043	0.177	6.508	99.399	41.7	57.3	1.0
W0943 3-12	58.983	25.566	0.230	0.022	7.334	0.000	0.365	7.094	99.619	35.6	62.3	2.1
W0943 3-13	59.206	25.522	0.212	0.018	7.401	0.113	0.358	7.290	100.139	35.2	62.8	2.0
W0943 3-14	58.557	26.064	0.166	0.008	7.911	0.000	0.285	6.989	99.980	37.9	60.5	1.6
W0943 3-15	58.736	25.361	0.190	0.011	7.493	0.156	0.359	7.195	99.514	35.8	62.2	2.0
W0943 3-16	63.395	21.838	0.105	0.015	3.357	0.082	0.198	9.767	98.785	15.8	83.1	1.1
W0943 3-17	57.297	26.189	0.179	0.001	8.231	0.078	0.339	6.642	98.956	39.9	58.2	2.0
W0943 3-18	63.232	22.983	0.058	0.000	4.090	0.195	0.166	9.275	99.999	19.4	79.7	0.9
W0943 3-19	64.595	21.281	0.185	0.059	2.248	0.125	0.285	9.848	98.640	11.0	87.3	1.7
W0943 3-20	57.661	26.664	0.164	0.000	8.457	0.000	0.263	6.715	99.924	40.4	58.1	1.5

W0943 3-21	59.919	25.508	0.127	0.011	7.083	0.056	0.307	7.461	100.478	33.8	64.4	1.7
W0943 3-22	59.143	25.401	0.149	0.025	6.749	0.000	0.240	7.627	99.334	32.4	66.2	1.4
W0943 3-23	62.186	23.176	0.087	0.006	4.756	0.056	0.168	8.689	99.124	23.0	76.0	1.0
W0943 3-24	56.038	27.946	0.195	0.016	9.918	0.000	0.257	5.868	100.275	47.6	50.9	1.5
W0943 3-25	56.876	26.889	0.204	0.025	8.777	0.039	0.316	5.671	98.801	45.2	52.9	1.9
W0943 3-26	58.414	25.250	0.227	0.015	7.594	0.117	0.397	7.086	99.107	36.4	61.4	2.3
W0943 3-27	57.045	26.919	0.188	0.005	8.965	0.013	0.210	5.955	99.300	44.8	53.9	1.3
W0943 3-28	57.524	27.046	0.232	0.008	8.916	0.135	0.352	6.524	100.753	42.2	55.8	2.0
W0943 3-29	57.593	26.220	0.225	0.010	7.961	0.208	0.373	6.603	99.227	39.1	58.7	2.2
W0943 3-30	57.782	26.591	0.228	0.014	8.630	0.143	0.368	6.507	100.277	41.4	56.5	2.1
W0943 3-31	57.849	26.281	0.200	0.000	8.511	0.091	0.309	6.515	99.756	41.2	57.0	1.8
W0943 3-32	57.689	26.379	0.218	0.019	8.389	0.061	0.348	6.620	99.730	40.4	57.6	2.0
W0943 3-33	60.094	24.460	0.126	0.017	5.929	0.043	0.213	7.797	98.704	29.2	69.5	1.2
W0943 3-34	61.791	23.243	0.115	0.012	4.706	0.108	0.128	8.914	99.017	22.4	76.9	0.7
W0943 3-35	63.322	22.501	0.092	0.009	3.660	0.065	0.143	8.901	98.717	18.4	80.8	0.9
W0943 3-37	58.379	26.462	0.343	0.015	8.035	0.191	0.306	6.712	100.479	39.1	59.1	1.8
W0943 3-38	57.394	26.413	0.252	0.009	7.914	0.000	0.307	6.793	99.133	38.5	59.8	1.8
W0943 3-39	57.959	26.503	0.198	0.006	8.259	0.191	0.244	7.077	100.437	38.7	60.0	1.4
W0943 3-40	66.058	21.144	0.092	0.000	1.712	0.026	0.241	10.578	99.854	8.1	90.5	1.4
W0943 4-1	57.950	26.765	0.371	0.000	8.470	0.126	0.125	6.666	100.501	41.0	58.3	0.7
W0943 4-2	57.174	27.126	0.451	0.006	8.834	0.178	0.186	6.560	100.515	42.2	56.7	1.1
W0943 4-3	58.423	26.138	0.288	0.006	7.988	0.161	0.209	6.890	100.103	38.6	60.2	1.2
W0943 4-4	58.405	25.895	0.308	0.006	7.743	0.109	0.161	6.738	99.367	38.5	60.6	1.0
W0943 4-5	57.776	26.775	0.263	0.000	8.648	0.017	0.237	6.495	100.211	41.8	56.8	1.4
W0943 4-6	57.920	26.780	0.271	0.010	8.254	0.009	0.304	6.574	100.144	40.2	58.0	1.8
W0943 4-7	56.491	27.426	0.187	0.008	9.464	0.022	0.245	6.088	99.953	45.6	53.0	1.4
W0943 4-8	56.138	26.890	0.177	0.089	8.998	0.000	0.430	5.817	98.561	44.9	52.5	2.6

W0943 4-10	55.150	28.135	0.255	0.021	10.029	0.000	0.247	5.686	99.523	48.7	49.9	1.4
W0943 4-12	56.958	27.229	0.184	0.026	8.971	0.026	0.306	6.379	100.079	43.0	55.3	1.7
W0943 4-13	56.648	26.963	0.203	0.030	8.964	0.039	0.263	6.105	99.215	44.1	54.4	1.5
W0943 4-14	57.326	27.330	0.181	0.015	9.176	0.026	0.210	6.150	100.421	44.6	54.1	1.2
W0943 4-15	58.232	26.388	0.228	0.000	8.290	0.000	0.309	6.521	99.968	40.5	57.7	1.8
W0943 4-16	58.221	26.391	0.207	0.012	8.237	0.061	0.304	6.860	100.302	39.2	59.1	1.7
W0943 4-17	58.423	25.907	0.267	0.006	7.343	0.000	0.370	7.268	99.687	35.1	62.8	2.1
W0943 5-1	58.659	26.069	0.291	0.001	7.619	0.052	0.358	6.744	99.793	37.6	60.3	2.1
W0943 5-2	58.572	26.087	0.237	0.000	7.946	0.052	0.299	7.149	100.352	37.4	60.9	1.7
W0943 5-3	58.200	25.698	0.281	0.087	7.710	0.043	0.247	6.941	99.211	37.5	61.1	1.4
W0943 5-4	59.254	25.942	0.201	0.006	7.578	0.000	0.314	7.369	100.685	35.6	62.6	1.8
W0943 5-5	59.927	25.523	0.115	0.000	6.498	0.000	0.151	8.062	100.280	30.6	68.6	0.8
W0943 5-6	58.653	26.328	0.161	0.001	7.869	0.000	0.233	7.099	100.344	37.5	61.2	1.3
W0943 5-7	56.751	27.510	0.169	0.017	9.550	0.000	0.116	6.411	100.524	44.9	54.5	0.6
W0943 5-8	55.818	27.779	0.165	0.013	9.927	0.031	0.194	6.052	99.980	47.0	51.9	1.1
W0943 5-9	56.632	27.594	0.242	0.009	9.576	0.109	0.220	5.812	100.194	47.0	51.7	1.3
W0943 5-10	57.619	27.064	0.225	0.010	8.313	0.035	0.354	6.590	100.210	40.2	57.7	2.0
W0943 5-11	58.212	26.507	0.235	0.001	8.286	0.087	0.415	7.024	100.767	38.6	59.1	2.3
W0943 5-12	57.956	26.629	0.205	0.000	8.338	0.161	0.411	6.876	100.576	39.2	58.5	2.3
W0943 5-13	57.128	25.916	0.227	0.007	7.178	0.000	0.467	6.957	97.918	35.3	61.9	2.7
W0943 5-14	59.472	25.509	0.208	0.004	7.191	0.065	0.411	7.132	100.037	34.9	62.7	2.4
W0943 5-15	58.948	25.598	0.202	0.014	7.064	0.000	0.441	7.359	99.626	33.8	63.7	2.5
W0943 5-16	59.373	25.631	0.252	0.014	7.300	0.039	0.397	7.274	100.282	34.9	62.9	2.3
W0943 5-17	59.576	25.562	0.194	0.006	7.449	0.000	0.298	7.676	100.761	34.3	64.0	1.6
W0943 5-18	59.452	25.772	0.166	0.000	7.458	0.026	0.387	7.538	100.799	34.6	63.3	2.1
W0943 5-19	59.835	25.835	0.207	0.004	7.323	0.122	0.348	7.507	101.181	34.3	63.7	1.9
W0943 5-20	59.316	25.616	0.160	0.014	7.572	0.152	0.345	7.260	100.435	35.9	62.2	1.9

W0943 5-21	59.396	24.956	0.218	0.010	7.363	0.078	0.348	7.336	99.715	35.0	63.1	2.0
W0943 5-22	60.411	25.963	0.173	0.001	7.402	0.133	0.370	7.208	101.678	35.4	62.5	2.1
W0943 5-28	58.620	25.944	0.220	0.002	7.546	0.048	0.347	6.992	99.719	36.6	61.4	2.0
W0943 5-29	59.195	26.076	0.236	0.007	7.501	0.074	0.400	7.172	100.679	35.8	61.9	2.3
W0943 5-30	59.227	26.001	0.190	0.000	7.653	0.000	0.458	7.291	100.820	35.8	61.7	2.5
W0943 5-31	59.103	26.135	0.155	0.017	7.632	0.013	0.409	7.284	100.759	35.8	61.9	2.3
W0943 5-32	58.609	25.873	0.175	0.009	7.577	0.070	0.388	7.179	99.893	36.0	61.8	2.2
W0943 5-34	59.605	25.399	0.225	0.011	7.064	0.030	0.391	7.334	100.083	34.0	63.8	2.2
W0943 5-35	59.394	25.757	0.227	0.000	6.965	0.013	0.407	7.481	100.265	33.2	64.5	2.3
W0943 5-36	59.617	25.538	0.204	0.000	7.378	0.065	0.377	7.466	100.645	34.6	63.3	2.1
W0943 5-37	59.007	25.437	0.214	0.010	7.396	0.000	0.395	7.155	99.616	35.5	62.2	2.3
W0943 5-38	58.881	25.697	0.182	0.000	7.333	0.000	0.377	7.150	99.638	35.4	62.4	2.2
W0943 5-39	58.660	25.819	0.211	0.000	7.596	0.056	0.562	7.433	100.337	35.0	61.9	3.1
W0943 5-40	59.701	25.045	0.216	0.017	6.847	0.074	0.490	7.206	99.611	33.4	63.7	2.9
W0943 5-41	59.348	25.521	0.235	0.008	6.782	0.000	0.445	7.195	99.534	33.4	64.0	2.6
W0943 5-42	59.357	25.417	0.209	0.019	6.989	0.056	0.443	7.355	99.845	33.6	63.9	2.5
W0943 5-43	60.625	26.284	0.208	0.019	7.436	0.173	0.360	6.991	102.114	36.2	61.7	2.1
W0943 5-44	58.077	26.011	0.201	0.002	7.659	0.061	0.399	7.079	99.493	36.6	61.2	2.3
R0734 1-1	51.065	21.651	0.839	0.192	5.867	0.078	6.050	2.565	88.514	33.1	26.2	40.7
R0734 1-2	60.954	21.016	1.328	0.038	3.642	0.235	10.866	1.683	99.828	18.6	15.5	65.9
R0734 1-3	58.503	24.100	0.512	0.126	5.928	0.148	5.557	3.239	98.126	32.2	31.8	35.9
R0734 1-4	61.592	22.085	0.488	0.005	4.515	0.453	8.507	2.715	100.391	23.1	25.1	51.8
R0734 1-5	57.102	25.854	0.669	0.039	7.885	0.061	4.165	4.022	99.820	39.2	36.2	24.6
R0734 1-6	54.959	27.083	1.101	0.025	9.870	0.000	2.396	3.604	99.069	51.3	33.9	14.8
R0734 1-9	58.357	23.521	0.565	0.011	6.754	0.144	6.721	2.553	98.656	34.9	23.8	41.3
R0734 1-11	56.682	25.441	0.969	0.030	8.026	0.144	3.712	4.130	99.290	40.3	37.5	22.2
R0734 1-12	57.113	23.754	0.530	0.016	6.709	0.166	5.535	3.267	97.119	34.9	30.8	34.3

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R0734 1-13	59.082	24.758	0.278	0.007	6.868	0.126	0.679	7.310	99.128	32.9	63.3	3.9
R0734 1-14	59.458	25.144	0.261	0.013	6.881	0.043	0.663	7.380	99.843	32.7	63.5	3.8
R0734 1-15	59.152	25.539	0.243	0.008	7.266	0.000	0.664	7.216	100.089	34.4	61.8	3.7
R0734 1-16	59.984	25.086	0.198	0.009	6.809	0.061	0.707	7.285	100.170	32.7	63.3	4.0
R0734 1-17	60.663	25.518	0.228	0.006	6.919	0.173	0.702	7.406	101.615	32.7	63.3	4.0
R0734 1-18	59.343	25.539	0.211	0.004	7.154	0.165	0.676	7.144	100.267	34.3	61.9	3.9
R0734 1-20	57.750	26.685	0.250	0.020	8.374	0.165	0.514	6.107	99.936	41.8	55.2	3.1
R0734 1-21	58.119	25.066	0.175	0.006	6.730	0.239	0.649	6.639	97.654	34.5	61.6	4.0
R0734 1-22	59.540	24.658	0.276	0.006	7.076	0.179	0.505	6.986	99.226	34.8	62.2	3.0
R0734 1-23	59.338	25.135	0.258	0.011	7.095	0.087	0.574	6.903	99.401	35.0	61.6	3.4
R0734 1-24	58.845	25.488	0.272	0.005	6.980	0.017	0.496	6.545	98.648	36.0	61.0	3.0
R0734 1-25	59.807	23.895	0.231	0.012	6.037	0.000	0.822	6.732	97.555	31.4	63.5	5.1
R0734 1-26	58.543	25.234	0.281	0.007	7.355	0.065	0.681	6.536	98.737	36.8	59.2	4.1
R0734 1-27	57.953	25.776	0.253	0.010	8.102	0.183	0.616	6.279	99.194	40.1	56.3	3.6
R0734 1-28	59.504	25.401	0.213	0.008	7.113	0.096	0.685	6.787	99.828	35.2	60.8	4.0
R0734 1-29	59.567	25.122	0.142	0.000	6.941	0.148	0.657	6.498	99.098	35.6	60.4	4.0
R0734 1-30	59.438	24.668	0.219	0.017	6.794	0.139	0.728	6.411	98.428	35.3	60.2	4.5
R0734 1-31	59.422	24.914	0.270	0.013	6.910	0.200	0.679	6.456	98.864	35.6	60.2	4.2
R0734 1-32	59.294	25.129	0.239	0.011	6.904	0.161	0.678	6.621	99.037	35.1	60.8	4.1
R0734 1-33	58.475	25.389	0.196	0.005	6.847	0.070	0.713	6.883	98.578	34.0	61.8	4.2
R0734 1-34	60.209	24.993	0.248	0.007	6.463	0.253	0.776	7.213	100.163	31.6	63.9	4.5
R0734 1-35	60.486	24.844	0.234	0.009	6.719	0.074	0.684	7.471	100.537	31.9	64.2	3.9
R0734 1-36	59.466	25.483	0.256	0.013	7.365	0.266	0.668	6.715	100.232	36.3	59.8	3.9
R0734 1-37	59.610	25.289	0.274	0.009	7.123	0.065	0.633	6.483	99.486	36.3	59.8	3.8
R0734 1-39	59.575	25.492	0.206	0.000	7.374	0.258	0.628	6.402	99.948	37.4	58.8	3.8
R0734 1-40	59.455	25.266	0.248	0.003	7.099	0.079	0.771	6.662	99.583	35.4	60.1	4.6
R0734 1-41	59.713	25.361	0.284	0.007	6.596	0.122	0.727	6.708	99.518	33.7	61.9	4.4

R0734 1-42	59.784	25.371	0.224	0.023	7.058	0.166	0.704	6.559	99.889	35.7	60.1	4.2
R0734 1-43	59.982	25.107	0.238	0.010	6.809	0.004	0.755	6.785	99.724	34.1	61.4	4.5
R0734 1-44	60.635	25.379	0.254	0.012	6.797	0.022	0.750	6.463	100.312	35.1	60.3	4.6
R0734 1-45	59.736	24.980	0.244	0.000	6.793	0.052	0.710	6.777	99.296	34.1	61.6	4.2
R0734 1-46	59.136	24.867	0.214	0.000	6.696	0.065	0.807	6.312	98.114	35.1	59.9	5.0
R0734 1-47	59.715	25.318	0.266	0.013	7.058	0.061	0.691	6.776	99.898	35.0	60.9	4.1
R0734 1-48	60.199	25.162	0.248	0.018	6.959	0.131	0.700	6.615	100.045	35.2	60.6	4.2
R0734 1-49	59.487	25.200	0.261	0.008	6.976	0.061	0.723	6.685	99.406	35.0	60.7	4.3
R0734 1-50	59.857	25.181	0.215	0.011	7.170	0.196	0.691	6.504	99.836	36.3	59.6	4.2
R0734 1-51	59.430	25.451	0.216	0.016	7.103	0.044	0.690	6.746	99.711	35.3	60.6	4.1
R0734 1-52	60.696	25.496	0.222	0.000	7.126	0.089	0.718	6.714	101.072	35.4	60.4	4.2
R0734 1-53	59.306	25.179	0.247	0.002	7.350	0.179	0.649	6.529	99.448	36.9	59.3	3.9
R0734 1-55	59.726	25.397	0.223	0.000	6.955	0.161	0.673	6.630	99.765	35.2	60.7	4.1
R0734 1-56	59.843	25.285	0.204	0.001	6.997	0.279	0.705	6.526	99.840	35.6	60.1	4.3
R0734 1-57	58.849	26.119	0.233	0.009	7.866	0.070	0.570	6.502	100.262	38.7	57.9	3.3
R0734 1-58	59.838	25.263	0.240	0.006	7.026	0.083	0.694	6.311	99.461	36.5	59.3	4.3
R0734 1-59	59.588	25.290	0.215	0.014	6.651	0.000	0.670	6.447	98.915	34.8	61.0	4.2
R0734 1-60	59.662	25.377	0.238	0.013	7.263	0.092	0.699	6.383	99.738	37.0	58.8	4.2
R0734 1-61	59.590	25.285	0.240	0.016	7.070	0.214	0.716	6.661	99.807	35.4	60.3	4.3
R0734 1-62	60.006	25.090	0.262	0.013	6.856	0.175	0.689	6.613	99.722	34.9	60.9	4.2
R0734 1-63	60.830	25.568	0.244	0.013	6.876	0.022	0.761	7.030	101.344	33.5	62.0	4.4
R0734 1-64	58.888	26.026	0.240	0.000	7.284	0.218	0.585	6.147	99.388	38.1	58.2	3.6
R0734 1-65	57.152	27.432	0.280	0.013	9.372	0.179	0.413	5.929	100.770	45.5	52.1	2.4
R0734 1-66	58.917	25.556	0.205	0.020	7.529	0.000	1.172	5.653	99.060	39.3	53.4	7.3
R0734 1-67	59.105	25.590	0.230	0.014	7.381	0.100	0.615	6.342	99.377	37.7	58.6	3.7
R0734 1-68	59.090	26.039	0.251	0.003	7.739	0.074	0.608	6.379	100.203	38.7	57.7	3.6
R0734 1-69	59.668	25.631	0.210	0.003	7.039	0.118	0.669	6.621	99.959	35.5	60.5	4.0

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R0734 1-70	59.923	25.621	0.238	0.014	6.781	0.209	0.593	6.729	100.116	34.5	61.9	3.6
R0734 1-71	60.001	25.156	0.272	0.008	6.343	0.017	0.709	6.614	99.139	33.1	62.5	4.4
R0734 1-72	57.848	26.429	0.320	0.008	7.525	0.161	0.576	6.193	99.108	38.8	57.7	3.5
R0734 1-73	55.683	27.134	0.845	0.037	9.197	0.245	2.806	3.815	99.805	47.3	35.5	17.2
R0734 1-74	59.372	24.000	0.533	0.025	6.096	0.210	6.482	2.923	99.641	31.9	27.7	40.4
R0734 2-1	59.085	26.280	0.320	0.026	8.469	0.125	0.603	6.939	101.897	38.9	57.7	3.3
R0734 2-2	59.170	25.169	0.286	0.027	6.980	0.100	1.192	6.965	99.897	33.2	60.0	6.8
R0734 2-3	59.170	25.492	0.220	0.024	7.462	0.244	0.640	6.956	100.221	35.9	60.5	3.7
R0734 2-4	59.195	25.387	0.289	0.007	7.144	0.105	0.688	7.056	99.873	34.5	61.6	4.0
R0734 2-5	59.709	25.383	0.244	0.001	6.861	0.131	0.671	6.972	99.997	33.8	62.2	3.9
R0734 2-6	59.427	25.896	0.241	0.000	7.394	0.087	0.542	7.192	100.800	35.1	61.8	3.1
R0734 2-7	59.766	25.540	0.226	0.011	6.539	0.096	0.636	7.320	100.159	31.8	64.5	3.7
R0734 2-8	58.257	25.476	0.244	0.027	7.623	0.044	0.629	6.200	98.526	38.9	57.3	3.8
R0734 2-9	58.392	24.990	0.271	0.000	7.148	0.131	0.657	6.566	98.174	36.1	60.0	3.9
R0734 2-10	59.516	25.152	0.237	0.022	7.093	0.179	0.762	6.721	99.684	35.2	60.3	4.5
R0734 2-11	59.546	25.151	0.238	0.002	7.040	0.057	0.903	6.492	99.442	35.4	59.1	5.4
R0734 2-12	60.212	24.673	0.232	0.006	6.266	0.240	0.723	7.188	99.559	31.1	64.6	4.3
R0734 2-13	59.722	25.021	0.247	0.006	7.074	0.039	0.676	6.689	99.477	35.4	60.6	4.0
R0734 2-14	59.677	25.276	0.270	0.004	6.946	0.000	0.693	6.765	99.685	34.7	61.2	4.1
R0734 2-15	59.265	25.147	0.259	0.017	7.219	0.074	0.698	6.395	99.106	36.8	59.0	4.2
R0734 2-16	60.687	24.553	0.214	0.007	6.225	0.004	0.877	6.920	99.496	31.5	63.3	5.3
R0734 2-17	59.397	25.350	0.223	0.022	7.012	0.074	0.736	6.870	99.688	34.5	61.2	4.3
R0734 2-18	61.651	21.374	0.178	0.020	4.179	0.000	6.289	4.737	98.450	20.6	42.4	37.0
R0734 2-19	59.245	25.748	0.263	0.008	7.366	0.109	0.491	6.752	99.982	36.5	60.6	2.9
R0734 2-20	59.001	24.794	0.228	0.051	7.001	0.070	1.096	6.426	98.667	35.1	58.3	6.5
R0734 2-21	59.169	25.851	0.282	0.016	7.433	0.113	0.883	6.499	100.246	36.7	58.1	5.2
R0734 2-22	59.235	25.444	0.212	0.002	7.300	0.174	0.664	6.286	99.321	37.5	58.4	4.1

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R0734 2-23	59.661	25.178	0.218	0.015	7.177	0.266	0.682	6.822	100.019	35.3	60.7	4.0
R0734 2-24	58.101	26.005	0.241	0.018	8.031	0.170	0.565	6.307	99.439	39.9	56.7	3.3
R0734 2-25	59.356	25.424	0.237	0.036	7.204	0.179	0.707	6.683	99.863	35.8	60.0	4.2
R0734 2-26	58.842	25.255	0.225	0.009	7.801	0.122	0.616	6.381	99.251	38.8	57.5	3.7
R0734 2-27	55.555	28.145	0.245	0.018	10.287	0.070	0.359	5.272	99.951	50.8	47.1	2.1
R0734 2-28	59.142	25.390	0.223	0.014	7.169	0.240	0.702	6.743	99.673	35.5	60.4	4.1
R0734 2-29	59.600	25.351	0.190	0.003	7.040	0.201	0.752	6.527	99.664	35.7	59.8	4.5
R0734 2-30	59.707	25.545	0.273	0.000	6.521	0.148	0.709	6.903	99.831	32.8	62.9	4.3
R0734 2-31	59.334	25.171	0.265	0.019	7.112	0.140	0.723	6.692	99.456	35.4	60.3	4.3
R0734 2-32	60.076	24.655	0.209	0.000	6.798	0.222	0.688	6.737	99.385	34.3	61.5	4.1
R0734 2-33	59.398	25.202	0.256	0.009	7.230	0.092	0.678	6.767	99.654	35.6	60.4	4.0
R0734 2-34	58.886	25.848	0.237	0.000	7.881	0.153	0.633	6.253	99.928	39.5	56.7	3.8
R0734 2-35	58.849	25.816	0.266	0.013	7.470	0.092	0.655	6.746	99.907	36.5	59.7	3.8
R0734 2-36	59.362	25.573	0.217	0.007	7.106	0.070	0.733	6.821	99.889	35.0	60.7	4.3
R0734 2-37	59.812	25.175	0.243	0.008	7.018	0.096	0.693	6.808	99.878	34.8	61.1	4.1
R0734 2-38	60.386	25.189	0.234	0.012	6.910	0.126	0.744	6.896	100.529	34.1	61.5	4.4
R0734 2-39	60.049	24.968	0.288	0.027	6.781	0.187	0.754	6.766	99.820	34.0	61.5	4.5
R0734 2-40	59.746	25.019	0.221	0.000	6.605	0.179	0.767	6.835	99.402	33.2	62.2	4.6
R0734 2-41	60.285	24.948	0.252	0.000	6.457	0.218	0.760	7.097	100.049	32.0	63.6	4.5
R0734 2-42	60.280	24.919	0.240	0.011	6.543	0.096	0.822	7.043	99.966	32.3	62.9	4.8
R0734 2-43	59.388	25.197	0.246	0.020	7.034	0.275	0.733	6.803	99.713	34.8	60.9	4.3
R0734 2-44	60.749	23.711	0.168	0.016	5.910	0.074	3.816	5.274	99.734	29.6	47.7	22.7
R0734 2-45	59.258	25.465	0.242	0.014	7.131	0.157	0.696	6.556	99.519	36.0	59.8	4.2
R0734 2-46	59.924	25.304	0.263	0.017	6.835	0.187	0.725	6.593	99.860	34.8	60.8	4.4
R0734 2-47	59.701	22.224	0.209	0.114	5.559	0.127	3.913	5.782	97.629	26.9	50.6	22.5
R0734 2-48	60.651	26.019	0.255	0.027	7.505	0.085	0.604	6.729	101.912	36.8	59.7	3.5
R0734 2-49	59.772	25.118	0.220	0.011	7.158	0.113	0.686	6.586	99.687	36.0	59.9	4.1

R0734 2-50	59.593	25.472	0.226	0.013	6.956	0.092	0.702	6.830	99.884	34.5	61.3	4.1
R0734 2-51	59.372	24.987	0.249	0.011	6.780	0.000	0.672	6.671	98.742	34.5	61.4	4.1
R0734 2-52	59.072	25.308	0.253	0.000	7.043	0.187	0.672	6.974	99.509	34.4	61.7	3.9
R0734 2-53	59.368	25.647	0.284	0.017	7.467	0.000	0.653	6.868	100.317	36.1	60.1	3.8
R0734 2-54	59.304	25.481	0.228	0.022	7.247	0.026	0.684	6.812	99.804	35.5	60.5	4.0
R0734 2-55	59.186	25.789	0.259	0.003	7.123	0.044	0.680	6.544	99.638	36.0	59.9	4.1
R0734 2-56	59.192	25.278	0.244	0.018	7.077	0.127	0.720	6.751	99.407	35.1	60.6	4.3
R0734 2-57	59.680	25.253	0.246	0.019	6.857	0.153	0.734	6.488	99.442	35.2	60.3	4.5
R0734 2-58	58.955	25.394	0.255	0.012	7.305	0.196	0.675	6.631	99.449	36.3	59.7	4.0
R0734 2-59	60.849	26.209	0.250	0.003	7.635	0.231	0.674	6.800	102.686	36.8	59.3	3.9
R0734 2-60	59.522	25.538	0.265	0.024	7.173	0.122	0.691	6.846	100.208	35.2	60.8	4.0
R0734 2-62	59.838	25.175	0.230	0.013	6.941	0.126	1.328	6.390	100.054	34.6	57.6	7.9
R0734 2-63	58.952	25.532	0.250	0.013	7.203	0.000	0.670	6.431	99.089	36.7	59.3	4.1
R0734 2-64	59.219	25.397	0.251	0.014	7.145	0.074	0.689	6.428	99.218	36.5	59.4	4.2
R0734 2-65	59.343	25.280	0.282	0.017	7.005	0.179	0.702	6.526	99.382	35.6	60.1	4.3
R0734 2-66	59.598	25.302	0.211	0.030	6.863	0.148	0.663	6.279	99.094	36.1	59.8	4.2
R0734 2-67	59.521	25.288	0.249	0.008	7.092	0.061	0.751	6.784	99.754	35.0	60.6	4.4
R0734 2-68	59.476	25.488	0.235	0.003	6.887	0.183	0.660	6.702	99.634	34.8	61.2	4.0
R0734 2-69	60.167	25.380	0.257	0.008	6.729	0.214	0.759	6.719	100.258	34.0	61.4	4.6
R0734 2-70	60.369	24.880	0.236	0.025	6.378	0.004	0.962	6.959	99.813	31.7	62.6	5.7
R0734 2-71	59.262	24.201	0.264	0.024	7.164	0.135	0.755	6.867	98.672	35.0	60.6	4.4
R0734 2-72	59.913	25.049	0.301	0.013	6.800	0.253	0.768	6.909	100.040	33.6	61.8	4.5
R0734 2-73	59.965	25.038	0.211	0.007	7.009	0.113	0.707	6.900	99.972	34.5	61.4	4.1
R0734 2-74	59.081	25.301	0.237	0.008	7.020	0.157	0.702	6.825	99.338	34.7	61.1	4.1
R0734 2-75	60.737	26.120	0.239	0.003	7.478	0.120	0.846	6.654	102.221	36.4	58.7	4.9
R0734 2-76	58.955	25.416	0.246	0.037	7.333	0.000	0.564	6.677	99.261	36.5	60.2	3.3
R0734 2-77	56.939	23.568	0.199	0.021	6.440	0.039	0.502	6.893	94.601	33.0	63.9	3.1

R0734 2-78	59.354	25.206	0.264	0.008	7.163	0.070	0.656	6.585	99.325	36.1	60.0	3.9
R0734 2-79	59.248	25.060	0.268	0.015	6.888	0.031	0.677	6.831	99.018	34.3	61.6	4.0
R0734 2-80	59.340	25.132	0.201	0.011	7.351	0.170	0.675	6.685	99.599	36.3	59.7	4.0
R0734 2-81	58.484	25.019	0.228	0.015	6.941	0.048	0.753	6.527	98.061	35.3	60.1	4.6
R0734 2-82	58.273	25.752	0.196	0.000	7.579	0.022	0.706	6.309	98.837	38.2	57.6	4.2
R0734 2-83	58.840	25.186	0.251	0.007	6.972	0.100	0.735	6.886	98.999	34.3	61.4	4.3
R0734 2-84	59.801	25.159	0.219	0.014	7.008	0.052	0.679	6.811	99.743	34.8	61.2	4.0
R0734 2-85	60.091	24.749	0.245	0.027	6.434	0.048	1.744	6.130	99.468	32.8	56.6	10.6
R0734 2-86	59.859	25.153	0.241	0.003	6.700	0.170	0.644	6.943	99.737	33.4	62.7	3.8
R0734 2-87	58.960	25.481	0.202	0.038	6.875	0.100	0.574	6.952	99.189	34.1	62.5	3.4
R0734 3-1	55.882	24.322	0.457	0.002	7.600	0.057	0.503	6.488	95.315	38.1	58.9	3.0
R0734 3-2	56.959	23.911	0.425	0.018	6.659	0.126	0.685	6.642	95.425	34.2	61.7	4.2
R0734 3-3	59.863	25.503	0.291	0.016	7.033	0.209	0.670	7.093	100.700	34.0	62.1	3.9
R0734 3-4	59.392	25.332	0.268	0.007	7.289	0.144	0.685	6.846	99.984	35.6	60.5	4.0
R0734 3-5	59.603	25.439	0.265	0.014	6.992	0.126	0.726	6.844	100.009	34.5	61.2	4.3
R0734 3-6	59.632	25.334	0.248	0.009	6.819	0.083	0.625	6.861	99.611	34.1	62.1	3.7
R0734 3-7	59.805	25.272	0.256	0.029	6.899	0.135	0.677	7.335	100.415	32.9	63.3	3.8
R0734 3-8	58.958	25.238	0.296	0.000	7.032	0.179	0.732	7.209	99.644	33.6	62.3	4.2
R0734 3-9	60.347	24.879	0.249	0.008	6.547	0.157	0.801	7.431	100.450	31.3	64.2	4.6
R0734 3-10	60.885	21.849	0.199	0.003	4.703	0.126	3.805	5.769	97.360	23.9	53.1	23.0
R0734 3-11	57.708	26.354	0.236	0.000	8.337	0.139	0.511	6.520	99.845	40.2	56.9	2.9
R0734 3-12	58.392	25.469	0.286	0.016	7.721	0.105	0.606	6.808	99.444	37.2	59.3	3.5
R0734 3-13	59.212	26.759	0.240	0.011	8.406	0.213	0.553	6.623	102.037	39.9	56.9	3.1
R0734 3-14	59.520	25.335	0.240	0.002	7.167	0.122	0.723	6.293	99.406	36.9	58.7	4.4
R0734 3-15	57.977	25.910	0.244	0.003	7.511	0.078	0.637	6.815	99.175	36.5	59.9	3.7
R0734 3-16	59.715	24.972	0.246	0.011	6.863	0.031	0.755	7.147	99.748	33.2	62.5	4.3
R0734 3-17	60.125	24.641	0.229	0.009	6.317	0.113	0.800	7.218	99.474	31.1	64.2	4.7

R0734 3-18	59.606	24.760	0.236	0.008	6.652	0.026	0.733	7.221	99.271	32.3	63.5	4.2
R0734 3-19	59.665	24.702	0.249	0.001	6.543	0.035	0.743	7.415	99.353	31.4	64.4	4.2
R0734 3-20	60.020	24.992	0.256	0.000	6.679	0.000	0.771	7.344	100.068	32.0	63.6	4.4
R0734 3-21	59.176	24.358	0.287	0.065	6.808	0.183	0.865	7.181	98.923	32.7	62.4	4.9
R0734 3-22	59.780	25.258	0.232	0.019	6.756	0.000	0.620	7.329	99.994	32.5	63.9	3.6
R0734 3-23	60.078	25.232	0.222	0.009	6.975	0.078	0.688	7.388	100.690	33.0	63.2	3.9
R0734 3-24	59.474	25.203	0.285	0.000	7.022	0.161	0.664	7.237	100.076	33.6	62.6	3.8
R0734 3-25	59.476	24.907	0.253	0.008	6.968	0.179	0.727	7.122	99.660	33.6	62.2	4.2
R0734 3-26	58.855	25.291	0.294	0.004	7.769	0.100	0.583	6.743	99.682	37.6	59.0	3.4
R0734 3-27	59.748	25.165	0.283	0.000	7.050	0.274	0.700	7.277	100.505	33.5	62.6	4.0
R0734 3-28	58.857	25.322	0.271	0.016	7.149	0.153	0.653	7.054	99.506	34.6	61.7	3.8
R0734 3-29	59.366	22.534	0.284	0.017	6.842	0.166	0.769	7.324	97.317	32.6	63.1	4.4
R0734 3-30	58.908	25.377	0.267	0.000	7.269	0.174	0.666	7.010	99.687	35.0	61.1	3.8
R0734 3-31	59.591	25.364	0.294	0.023	7.135	0.000	0.704	7.014	100.138	34.5	61.4	4.1
R0734 3-32	60.598	24.992	0.213	0.000	6.511	0.105	0.875	7.374	100.668	31.2	63.9	5.0
R0734 3-33	61.432	23.244	0.231	0.002	5.284	0.153	4.017	5.759	100.152	25.8	50.9	23.3
R0734 3-34	60.849	24.513	0.243	0.013	6.207	0.200	0.798	7.508	100.363	29.9	65.5	4.6
R0734 3-35	60.346	24.747	0.258	0.013	6.376	0.283	0.664	7.651	100.338	30.3	65.9	3.8
R0734 3-36	61.121	23.772	0.213	0.009	5.617	0.009	3.257	6.054	100.052	27.5	53.6	19.0
R0734 3-37	60.325	23.663	0.198	0.166	5.149	0.126	3.275	6.024	98.927	25.8	54.6	19.5
R0734 3-38	60.527	25.090	0.244	0.019	6.565	0.135	0.793	7.460	100.833	31.2	64.3	4.5
R0734 3-39	59.604	25.344	0.245	0.007	7.001	0.135	0.644	7.069	100.062	34.1	62.2	3.7
R0734 3-40	59.513	24.474	0.263	0.028	6.812	0.179	1.186	6.810	99.291	33.2	60.0	6.9
R0734 3-41	59.085	25.694	0.219	0.009	7.305	0.122	0.674	7.119	100.246	34.8	61.4	3.8
R0734 3-42	58.910	25.049	0.272	0.011	7.330	0.039	0.624	7.017	99.268	35.3	61.1	3.6
R0734 3-43	59.273	25.244	0.231	0.024	7.437	0.078	0.637	7.124	100.058	35.3	61.1	3.6
R0734 3-44	58.211	25.610	0.248	0.009	7.841	0.078	0.433	6.748	99.182	38.1	59.4	2.5

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R0734 3-45	57.415	25.747	0.222	0.038	7.563	0.000	1.538	5.925	98.450	37.6	53.3	9.1
R0734 3-46	59.642	24.917	0.255	0.016	6.755	0.100	0.725	7.275	99.685	32.5	63.3	4.2
R0734 3-47	60.007	24.950	0.261	0.018	6.724	0.096	0.734	7.150	99.971	32.7	63.0	4.3
R0734 3-48	60.075	25.095	0.250	0.000	6.536	0.183	0.820	7.382	100.363	31.3	64.0	4.7
R0734 3-49	59.572	25.047	0.213	0.030	6.879	0.070	0.696	7.020	99.555	33.7	62.2	4.1
R0734 3-50	59.544	25.130	0.267	0.008	6.994	0.065	0.683	7.141	99.832	33.7	62.3	3.9
R0734 3-51	59.951	24.834	0.233	0.012	6.751	0.122	0.688	7.373	99.988	32.3	63.8	3.9
R0734 3-52	59.531	25.172	0.274	0.017	6.792	0.083	0.656	7.502	100.029	32.1	64.2	3.7
R0734 3-53	59.886	25.116	0.248	0.007	6.672	0.070	0.784	7.389	100.177	31.8	63.7	4.5
R0734 3-54	59.870	25.074	0.235	0.022	6.966	0.087	0.710	7.385	100.362	32.9	63.1	4.0
R0734 3-55	59.648	25.359	0.257	0.010	7.302	0.109	0.660	7.080	100.473	34.9	61.3	3.8
R0734 3-56	59.081	24.968	0.203	0.000	7.071	0.122	1.778	6.535	99.758	33.6	56.3	10.1
R0734 3-57	59.423	25.215	0.231	0.009	6.828	0.096	0.688	7.037	99.543	33.5	62.5	4.0
R0734 3-58	59.053	25.425	0.204	0.009	7.024	0.000	0.607	6.528	98.890	35.9	60.4	3.7
R0734 3-59	58.997	25.651	0.250	0.014	7.371	0.017	0.619	7.034	99.967	35.4	61.1	3.5
R0734 3-60	59.243	25.610	0.225	0.027	7.479	0.261	0.632	6.645	100.122	36.9	59.4	3.7
R0734 3-61	59.165	25.364	0.246	0.026	7.261	0.026	0.715	6.244	99.048	37.4	58.2	4.4
R0734 3-62	59.357	25.452	0.240	0.019	6.665	0.017	0.667	7.066	99.485	32.9	63.2	3.9
R0734 3-63	59.135	25.203	0.231	0.006	7.111	0.100	0.657	6.962	99.430	34.7	61.5	3.8
R0734 3-64	58.765	25.133	0.302	0.002	7.001	0.165	0.671	7.175	99.245	33.7	62.5	3.8
R0734 3-65	58.825	25.313	0.327	0.015	6.764	0.131	0.566	7.216	99.172	33.0	63.7	3.3
R0734 3-66	59.402	25.160	0.230	0.023	7.030	0.239	0.545	7.423	100.056	33.3	63.6	3.1
R0734 3-67	59.357	25.377	0.240	0.022	7.154	0.309	0.626	7.301	100.399	33.9	62.6	3.5
R0734 3-68	59.101	25.747	0.238	0.006	7.393	0.052	0.661	7.075	100.273	35.2	61.0	3.8
R0734 3-69	59.872	25.447	0.292	0.013	6.883	0.113	0.601	6.756	99.977	34.7	61.7	3.6
R0734 3-70	59.395	24.998	0.254	0.018	7.167	0.183	0.585	7.191	99.816	34.3	62.3	3.3
R0734 3-71	58.597	24.327	0.216	0.009	6.403	0.000	2.023	6.410	98.002	31.4	56.8	11.8

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R0734 3-72	60.761	26.093	0.249	0.017	7.342	0.058	0.692	7.540	102.785	33.7	62.6	3.8
R0734 3-73	58.552	25.273	0.243	0.033	7.141	0.000	0.716	6.689	98.647	35.5	60.2	4.2
R0734 3-74	59.667	25.666	0.238	0.016	7.019	0.135	0.595	7.130	100.482	34.0	62.5	3.4
R0734 3-75	59.141	25.629	0.244	0.027	7.055	0.161	0.596	6.494	99.378	36.1	60.2	3.6
R0734 3-76	58.501	25.805	0.263	0.014	7.541	0.135	0.472	6.791	99.544	37.0	60.3	2.8
R0734 3-77	59.371	25.172	0.211	0.022	6.706	0.083	0.580	7.233	99.378	32.7	63.9	3.4
R0734 3-78	60.165	25.016	0.229	0.033	6.724	0.235	0.957	7.354	100.717	31.8	62.9	5.4
R0734 3-79	61.624	24.163	0.229	0.016	5.733	0.231	0.831	7.762	100.589	27.6	67.6	4.8
R0734 3-80	59.769	25.125	0.253	0.004	6.721	0.326	0.601	7.566	100.368	31.8	64.8	3.4
R0734 3-81	59.180	25.563	0.277	0.009	7.441	0.170	0.548	7.003	100.191	35.8	61.0	3.1
R0734 3-82	60.009	25.441	0.247	0.019	6.937	0.091	0.542	6.608	99.910	35.5	61.2	3.3
R0734 3-83	60.564	25.218	0.254	0.024	6.787	0.035	0.632	7.552	101.066	32.0	64.4	3.5
R0734 3-84	58.513	26.131	0.263	0.014	7.779	0.070	1.103	6.712	100.585	36.6	57.2	6.2
R0734 3-85	60.108	24.817	0.244	0.025	6.730	0.000	0.654	7.444	100.041	32.1	64.2	3.7
R0734 3-86	60.221	25.186	0.236	0.000	6.730	0.196	0.665	7.285	100.534	32.5	63.7	3.8
R0734 3-87	60.300	25.175	0.280	0.014	6.810	0.109	0.724	7.129	100.555	33.1	62.7	4.2
R0734 3-88	60.230	25.104	0.257	0.006	6.719	0.231	0.747	7.188	100.487	32.6	63.1	4.3
R0734 3-89	60.158	25.131	0.212	0.017	6.881	0.270	0.777	7.001	100.472	33.6	61.9	4.5
R0734 3-90	59.264	25.471	0.253	0.018	7.142	0.091	1.237	6.876	100.400	33.9	59.1	7.0
R0734 3-91	59.774	25.099	0.232	0.004	6.819	0.039	0.691	6.937	99.595	33.8	62.2	4.1
R0734 3-92	58.144	26.375	0.227	0.012	8.475	0.157	0.539	6.427	100.387	40.8	56.1	3.1
R0734 3-93	59.825	25.221	0.287	0.003	6.998	0.035	0.712	6.620	99.701	35.3	60.4	4.3
R0734 3-94	60.562	24.972	0.225	0.016	6.595	0.226	0.760	7.468	100.824	31.4	64.3	4.3
R0734 3-95	57.847	26.763	0.223	0.012	8.491	0.183	0.553	6.661	100.796	40.0	56.8	3.1
R0734 3-96	59.913	24.907	0.283	0.016	6.616	0.248	0.707	7.294	99.988	32.0	63.9	4.1
R0734 3-97	59.351	24.529	0.252	0.021	6.532	0.209	1.218	7.099	99.240	31.4	61.7	7.0
R0734 3-98	57.465	25.202	0.295	0.017	7.420	0.135	0.940	6.298	97.790	37.2	57.2	5.6

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R0734 3-99	58.881	24.908	0.238	0.014	6.347	0.105	0.689	6.480	97.687	33.6	62.1	4.3
R0734 3-100	59.286	25.209	0.223	0.006	6.660	0.074	0.671	7.063	99.192	32.9	63.1	3.9
R0734 3-101	60.326	24.821	0.294	0.006	6.473	0.100	0.926	6.884	99.851	32.3	62.2	5.5
R0734 3-102	59.311	25.716	0.300	0.012	7.329	0.017	0.582	7.061	100.361	35.2	61.4	3.3
R0734 3-103	55.331	28.152	0.245	0.038	10.358	0.000	0.350	5.337	99.837	50.7	47.3	2.0
R0734 3-104	54.199	29.087	0.266	0.012	10.453	0.009	1.105	4.055	99.186	54.7	38.4	6.9
R0734 3-105	53.050	29.752	0.328	0.008	12.193	0.017	0.260	4.603	100.271	58.5	40.0	1.5
R0734 3-106	52.969	30.158	0.348	0.000	12.542	0.170	0.252	4.292	100.756	60.9	37.7	1.5
R0734 3-107	53.341	29.834	0.281	0.018	12.002	0.131	0.254	4.501	100.414	58.7	39.8	1.5
R0734 3-108	53.441	29.599	0.306	0.029	11.806	0.096	0.291	4.597	100.165	57.7	40.6	1.7
R0734 4-1	59.367	25.216	0.288	0.000	7.195	0.122	0.555	7.063	99.840	34.9	61.9	3.2
R0734 4-2	57.956	26.488	0.294	0.019	8.392	0.078	0.524	6.416	100.180	40.7	56.3	3.0
R0734 4-3	57.617	25.926	0.242	0.007	8.168	0.152	0.524	6.524	99.170	39.7	57.3	3.0
R0734 4-4	60.934	25.628	0.196	0.029	7.119	0.058	0.690	7.184	101.838	34.0	62.1	3.9
R0734 4-5	58.822	25.505	0.247	0.007	7.113	0.122	0.504	7.100	99.463	34.6	62.5	2.9
R0734 4-6	59.435	25.493	0.274	0.021	7.293	0.152	0.661	7.073	100.402	34.9	61.3	3.8
R0734 4-7	59.140	25.698	0.255	0.009	7.466	0.118	0.606	6.730	100.022	36.7	59.8	3.5
R0734 4-8	59.224	25.608	0.258	0.018	7.248	0.070	0.676	6.755	99.876	35.7	60.3	4.0
R0734 4-9	59.290	24.392	0.207	0.009	6.427	0.126	1.337	6.930	98.746	31.3	61.0	7.7
R0734 4-10	59.795	25.241	0.233	0.012	7.020	0.096	0.655	7.389	100.441	33.2	63.2	3.7
R0734 4-11	59.288	24.943	0.320	0.011	6.710	0.161	0.847	7.405	99.698	31.8	63.5	4.8
R0734 4-12	59.112	25.225	0.243	0.002	7.171	0.100	0.702	7.100	99.661	34.4	61.6	4.0
R0734 4-13	60.081	25.331	0.325	0.000	7.020	0.213	0.725	7.192	100.907	33.6	62.3	4.1
R0734 4-14	60.131	25.145	0.269	0.000	6.955	0.035	0.657	7.232	100.424	33.4	62.8	3.8
R0734 4-15	59.196	24.922	0.276	0.000	6.927	0.200	0.641	7.047	99.225	33.9	62.4	3.7
R0734 4-16	59.551	25.297	0.260	0.010	7.022	0.096	0.667	7.369	100.300	33.2	63.0	3.8
R0734 4-17	61.357	24.001	0.186	0.008	5.731	0.200	3.048	6.314	100.846	27.6	55.0	17.5

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R0734 4-18	59.610	25.393	0.244	0.003	7.168	0.030	0.649	7.148	100.245	34.3	62.0	3.7
R0734 4-19	60.945	25.080	0.232	0.015	7.017	0.164	0.631	7.246	101.341	33.6	62.8	3.6
R0734 4-20	64.694	18.852	0.071	0.012	1.561	0.031	12.725	1.745	99.713	7.9	15.9	76.3
R0734 4-21	61.748	22.483	0.176	0.010	4.778	0.009	5.481	5.046	99.771	23.4	44.7	31.9
R0734 4-22	62.548	21.174	0.200	0.059	3.111	0.118	8.970	3.535	99.715	15.4	31.7	52.9
R0734 4-23	58.236	26.485	0.284	0.011	7.963	0.087	0.605	6.727	100.408	38.2	58.4	3.5
R0734 4-24	57.332	27.028	0.211	0.000	9.141	0.061	0.653	5.855	100.298	44.6	51.6	3.8
R0734 4-25	62.648	21.117	0.143	0.010	3.718	0.087	8.900	3.253	99.876	18.4	29.1	52.5
R0734 4-26	58.922	25.824	0.258	0.006	7.608	0.139	0.569	6.498	99.829	38.0	58.7	3.4
R0734 4-27	58.936	25.996	0.239	0.002	7.704	0.074	0.629	7.032	100.612	36.4	60.1	3.5
R0734 4-28	59.107	25.344	0.282	0.026	7.273	0.117	0.658	6.320	99.143	37.3	58.7	4.0
R0734 4-29	59.365	25.413	0.299	0.000	7.060	0.161	0.661	7.340	100.344	33.4	62.9	3.7
R0734 4-30	59.247	25.244	0.268	0.008	7.007	0.074	0.647	7.138	99.633	33.9	62.4	3.7
R0734 4-31	61.010	25.754	0.258	0.007	7.023	0.186	0.617	7.276	102.131	33.6	62.9	3.5
R0734 4-32	59.840	25.451	0.220	0.014	7.124	0.183	0.637	7.216	100.706	34.0	62.4	3.6
R0734 4-33	59.756	24.771	0.279	0.014	6.476	0.104	0.712	6.924	99.068	32.6	63.1	4.3
R0734 4-34	59.925	25.174	0.273	0.022	6.937	0.065	0.707	7.528	100.637	32.4	63.7	3.9
R0734 4-35	59.951	25.293	0.254	0.017	6.730	0.013	1.055	7.130	100.452	32.2	61.8	6.0
R0734 4-36	59.265	25.291	0.234	0.011	7.273	0.257	0.623	7.087	100.047	34.9	61.5	3.6
R0734 4-37	59.112	25.578	0.292	0.009	7.170	0.096	0.687	7.006	99.950	34.7	61.3	4.0
R0734 4-38	59.308	25.769	0.272	0.000	7.430	0.296	0.699	7.337	101.111	34.5	61.6	3.9
R0734 4-39	59.927	25.115	0.212	0.004	6.922	0.009	0.719	7.401	100.317	32.7	63.3	4.0
R0734 4-40	59.983	25.327	0.272	0.012	7.047	0.200	0.741	7.142	100.752	33.8	62.0	4.2
R0734 4-41	59.969	25.244	0.219	0.009	6.652	0.139	0.721	7.292	100.245	32.1	63.7	4.1
R0734 4-42	59.789	25.319	0.239	0.000	7.008	0.218	0.684	7.264	100.549	33.4	62.7	3.9
R0734 4-43	59.513	25.099	0.289	0.019	6.877	0.139	0.675	7.462	100.078	32.5	63.7	3.8
R0734 4-44	59.770	25.445	0.336	0.007	7.280	0.113	1.004	6.509	100.464	35.9	58.2	5.9

R0734 4-45	59.945	25.055	0.228	0.006	6.942	0.344	0.724	7.247	100.491	33.2	62.7	4.1
R0734 4-46	59.269	25.562	0.256	0.006	7.238	0.091	0.684	7.370	100.498	33.8	62.4	3.8
R0734 4-47	59.714	24.928	0.266	0.000	7.089	0.000	0.729	7.024	99.750	34.3	61.5	4.2
R0734 4-48	59.941	25.293	0.252	0.015	7.222	0.209	0.709	7.156	100.797	34.4	61.6	4.0
R0734 4-49	59.820	25.221	0.248	0.000	6.778	0.000	0.724	6.955	99.773	33.5	62.2	4.3
R0734 4-50	59.542	25.537	0.319	0.012	7.231	0.031	0.735	6.246	99.653	37.3	58.2	4.5
R0734 4-51	59.458	25.777	0.226	0.000	7.575	0.009	0.687	7.050	100.786	35.8	60.3	3.9
R0734 4-52	59.372	25.059	0.225	0.015	7.293	0.105	0.728	6.641	99.438	36.1	59.6	4.3
R0734 4-53	57.260	26.964	0.230	0.017	9.147	0.044	0.449	6.181	100.296	43.8	53.6	2.6
R0734 4-54	57.756	26.873	0.293	0.014	8.653	0.240	0.495	5.827	100.151	43.7	53.3	3.0
R0734 4-55	57.126	26.794	0.235	0.013	8.953	0.105	0.478	5.661	99.367	45.3	51.8	2.9
R0734 4-56	59.238	25.425	0.226	0.000	7.196	0.205	0.673	6.638	99.636	36.0	60.0	4.0
R0734 4-57	58.929	25.639	0.254	0.017	7.558	0.000	0.574	6.152	99.150	39.0	57.5	3.5
R0734 4-58	58.375	26.524	0.206	0.007	8.251	0.262	0.558	6.358	100.543	40.4	56.3	3.3
R0734 4-59	57.969	26.037	0.255	0.012	8.646	0.035	0.490	6.114	99.566	42.6	54.5	2.9
R0734 4-60	59.002	25.279	0.218	0.006	7.022	0.135	0.650	6.356	98.684	36.4	59.6	4.0
R0734 4-61	59.653	25.745	0.259	0.029	7.016	0.179	0.648	6.577	100.134	35.6	60.4	3.9
R0734 4-62	59.305	25.480	0.289	0.010	7.233	0.161	0.545	6.561	99.584	36.6	60.1	3.3
R0734 5-1	58.033	25.352	0.312	0.015	7.556	0.118	1.437	6.140	98.979	37.1	54.5	8.4
R0734 5-2	59.795	24.960	0.267	0.039	6.523	0.166	1.137	6.983	99.891	31.8	61.6	6.6
R0734 5-3	59.320	25.575	0.211	0.011	7.060	0.000	0.540	7.229	99.969	34.0	62.9	3.1
R0734 5-4	58.317	26.231	0.257	0.012	8.041	0.100	0.507	6.508	99.973	39.4	57.7	3.0
R0734 5-5	59.246	25.733	0.265	0.005	7.432	0.148	0.597	6.939	100.365	35.9	60.7	3.4
R0734 5-6	57.573	26.690	0.333	0.018	8.687	0.065	0.504	6.153	100.027	42.5	54.5	2.9
R0734 5-7	53.144	29.807	0.356	0.019	12.351	0.074	0.281	4.669	100.701	58.4	40.0	1.6
R0734 5-8	57.518	26.692	0.305	0.039	8.754	0.118	0.496	6.215	100.179	42.5	54.6	2.9
R0734 5-9	56.504	26.208	0.308	0.021	8.358	0.135	0.593	6.472	98.625	40.2	56.4	3.4

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R0734 5-10	56.736	26.674	0.257	0.039	9.449	0.127	0.427	5.920	99.666	45.7	51.8	2.5
R0734 5-11	57.060	27.334	0.264	0.006	9.282	0.170	0.447	6.151	100.714	44.3	53.1	2.5
R0734 5-12	58.790	25.914	0.254	0.020	7.722	0.004	0.621	6.875	100.200	36.9	59.5	3.5
R0734 5-13	55.525	27.818	0.260	0.026	10.314	0.044	0.379	5.439	99.828	50.0	47.8	2.2
R0734 5-14	58.037	26.615	0.213	0.008	8.214	0.140	0.534	6.391	100.175	40.2	56.7	3.1
R0734 5-15	57.035	26.692	0.309	0.011	8.819	0.087	0.480	6.282	99.749	42.5	54.8	2.8
R0734 5-16	56.148	27.079	0.287	0.004	9.222	0.188	0.437	6.230	99.617	43.9	53.6	2.5
R0734 5-17	58.092	26.408	0.281	0.016	8.533	0.052	0.563	6.373	100.352	41.2	55.6	3.2
R0734 5-18	58.048	26.629	0.246	0.012	8.486	0.074	0.536	6.440	100.471	40.8	56.1	3.1
R0734 5-19	59.486	25.646	0.225	0.001	7.370	0.157	0.674	7.065	100.624	35.2	61.0	3.8
R0734 5-20	55.644	28.581	0.260	0.002	10.728	0.166	0.329	5.538	101.264	50.7	47.4	1.9
R0734 5-21	58.830	24.796	0.242	0.002	7.296	0.118	0.712	6.871	98.867	35.5	60.4	4.1
R0734 5-22	57.144	26.897	0.298	0.010	8.934	0.148	1.053	5.528	100.039	44.2	49.5	6.2
R0734 5-23	58.841	26.082	0.324	0.007	7.154	0.122	0.629	6.725	99.884	35.6	60.6	3.7
R0734 5-24	56.911	26.693	0.253	0.008	8.867	0.092	0.494	6.199	99.519	42.9	54.3	2.8
R0734 5-25	57.072	27.152	0.213	0.037	8.746	0.004	0.475	6.081	99.780	43.1	54.2	2.8
R0734 5-26	58.776	26.194	0.257	0.018	7.824	0.000	0.616	6.914	100.621	37.1	59.4	3.5
R0734 5-27	59.651	24.959	0.255	0.032	6.950	0.135	2.155	6.146	100.286	33.7	53.9	12.4
R0734 5-28	58.737	26.309	0.235	0.035	7.857	0.079	0.637	6.704	100.594	37.9	58.5	3.7
R0734 5-29	61.506	23.414	0.191	0.009	5.588	0.184	5.797	4.592	101.281	26.9	40.0	33.2
R0734 5-30	56.324	20.687	0.148	0.033	4.005	0.118	7.651	3.508	92.497	20.6	32.6	46.8
R0734 5-31	57.732	26.690	0.257	0.014	8.805	0.131	0.512	6.325	100.472	42.2	54.9	2.9
R0734 5-32	59.573	25.424	0.286	0.000	7.035	0.148	0.699	6.999	100.164	34.3	61.7	4.1
R0734 5-33	58.101	26.516	0.284	0.017	8.354	0.079	0.521	6.246	100.118	41.2	55.7	3.1
R0734 5-34	59.201	25.270	0.203	0.025	7.333	0.035	1.185	6.620	99.878	35.4	57.8	6.8
R0734 5-35	58.079	26.342	0.262	0.029	8.310	0.031	0.548	6.549	100.159	39.9	56.9	3.1
R0734 5-36	56.942	26.747	0.266	0.022	8.685	0.188	0.510	6.197	99.558	42.4	54.7	3.0

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R0734 5-37	59.000	25.738	0.247	0.012	7.726	0.162	0.613	6.818	100.365	37.2	59.3	3.5
R0734 5-38	59.547	25.782	0.244	0.003	7.450	0.131	0.655	7.034	100.846	35.5	60.7	3.7
R0734 5-39	57.350	26.778	0.289	0.013	8.976	0.000	0.483	6.287	100.176	42.9	54.4	2.7
R0734 5-40	56.538	26.805	0.272	0.006	9.168	0.105	0.485	5.962	99.349	44.6	52.5	2.8
R0734 5-41	62.592	21.565	0.105	0.004	3.862	0.031	8.441	3.306	99.921	19.4	30.1	50.5
R0734 5-42	60.713	24.262	0.224	0.023	6.111	0.192	2.567	6.162	100.258	30.1	54.9	15.0
R0734 5-43	58.555	26.152	0.271	0.006	8.015	0.044	0.684	6.301	100.054	39.6	56.4	4.0
R0734 5-45	57.374	27.119	0.229	0.024	9.109	0.074	0.445	6.018	100.402	44.4	53.0	2.6
R0734 5-46	53.216	29.663	0.318	0.013	12.590	0.044	0.329	4.460	100.681	59.8	38.3	1.9
R0734 5-49	55.107	28.632	0.301	0.012	10.869	0.053	0.327	5.181	100.490	52.7	45.4	1.9
R0734 5-50	57.650	26.733	0.335	0.008	8.854	0.162	0.447	6.190	100.389	43.0	54.4	2.6
R0734 5-51	58.159	26.313	0.262	0.025	8.453	0.144	1.738	5.131	100.250	42.7	46.9	10.4
R0734 5-53	59.498	25.497	0.265	0.016	7.131	0.144	0.620	6.899	100.070	35.0	61.3	3.6
R0734 5-54	58.995	26.132	0.318	0.008	7.646	0.140	0.522	6.466	100.241	38.3	58.6	3.1
R073 1-1	59.414	21.024	0.473	2.738	2.850	0.044	1.241	7.397	95.181	16.1	75.6	8.3
R073 1-2	65.653	20.492	0.108	0.008	1.509	0.035	0.685	9.653	98.149	7.6	88.3	4.1
R073 1-3	63.434	21.885	0.288	0.170	3.148	0.057	0.350	8.943	98.303	15.9	81.9	2.1
R073 1-4	62.498	23.294	0.217	0.012	4.587	0.000	0.513	8.296	99.452	22.7	74.3	3.0
R073 1-5	59.677	25.224	0.209	0.000	6.585	0.166	0.440	6.773	99.097	34.0	63.3	2.7
R073 1-6	58.321	25.519	0.256	0.018	7.863	0.052	0.366	6.606	99.005	38.8	59.0	2.2
R073 1-7	58.503	25.703	0.219	0.000	7.747	0.061	0.463	6.270	99.014	39.4	57.8	2.8
R073 1-8	58.837	25.572	0.254	0.000	7.073	0.092	0.549	6.905	99.297	35.0	61.8	3.2
R073 1-9	59.829	24.820	0.207	0.028	6.565	0.127	0.634	7.159	99.369	32.4	63.9	3.7
R073 1-10	60.287	24.723	0.246	0.007	6.236	0.030	0.663	7.327	99.519	30.7	65.4	3.9
R073 1-11	59.327	25.031	0.241	0.000	6.891	0.035	0.574	6.991	99.094	34.1	62.5	3.4
R073 1-12	58.700	25.661	0.273	0.013	7.325	0.035	0.569	6.767	99.391	36.2	60.5	3.3
R073 1-14	58.983	24.726	0.246	0.021	6.857	0.126	0.622	7.009	98.590	33.8	62.5	3.7

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R073 1-15	60.462	24.154	0.205	0.016	5.954	0.113	0.754	6.809	98.467	31.1	64.3	4.7
R073 1-16	60.307	24.350	0.204	0.005	6.127	0.118	0.763	7.090	98.966	30.8	64.6	4.6
R073 1-17	60.556	24.569	0.253	0.004	6.045	0.231	0.824	7.584	100.077	29.1	66.1	4.7
R073 1-18	60.267	24.753	0.312	0.024	6.500	0.109	0.670	7.167	99.854	32.1	64.0	3.9
R073 1-19	59.077	24.927	0.225	0.017	6.677	0.275	0.621	7.255	99.084	32.5	63.9	3.6
R073 1-20	60.001	24.753	0.225	0.005	6.417	0.174	0.690	7.126	99.402	31.9	64.0	4.1
R073 1-21	60.256	24.545	0.214	0.002	6.270	0.109	0.731	7.361	99.522	30.6	65.1	4.3
R073 1-22	56.840	26.761	0.211	0.001	8.528	0.113	0.438	6.047	98.952	42.7	54.7	2.6
R073 1-23	57.093	26.015	0.244	0.013	7.810	0.183	0.441	6.365	98.186	39.3	58.0	2.6
R073 1-24	57.520	25.904	0.200	0.007	8.225	0.183	0.376	6.389	98.804	40.6	57.1	2.2
R073 1-25	56.997	26.038	0.267	0.016	8.209	0.113	0.504	6.212	98.379	40.9	56.1	3.0
R073 1-26	56.912	26.632	0.229	0.009	8.486	0.166	0.431	6.175	99.047	42.1	55.4	2.5
R073 1-27	57.373	26.064	0.233	0.013	8.539	0.000	0.418	6.299	98.939	41.8	55.8	2.4
R073 1-28	57.117	26.503	0.275	0.004	8.553	0.083	0.410	6.046	99.000	42.8	54.8	2.4
R073 1-29	57.021	26.399	0.233	0.013	8.710	0.087	0.429	6.169	99.075	42.7	54.8	2.5
R073 1-30	58.189	26.453	0.224	0.020	8.224	0.074	0.498	6.527	100.209	39.9	57.3	2.9
R073 1-31	60.209	24.845	0.243	0.001	6.164	0.148	0.420	7.549	99.598	30.3	67.2	2.5
R073 1-32	58.012	26.414	0.227	0.009	8.261	0.039	0.464	6.404	99.832	40.5	56.8	2.7
R073 1-33	58.254	25.717	0.238	0.003	7.386	0.017	0.436	6.368	98.419	38.0	59.3	2.7
R073 1-34	58.781	25.258	0.223	0.014	7.332	0.140	0.562	6.888	99.220	35.8	60.9	3.3
R073 1-35	58.416	25.540	0.247	0.010	7.443	0.114	0.531	6.473	98.817	37.6	59.2	3.2
R073 1-36	58.613	25.649	0.228	0.015	7.164	0.048	0.535	6.380	98.656	37.0	59.7	3.3
R073 1-37	58.419	24.723	0.265	0.018	7.376	0.166	0.493	6.930	98.397	36.0	61.2	2.9
R073 1-38	60.465	24.277	0.210	0.015	5.844	0.292	0.682	7.266	99.067	29.5	66.4	4.1
R073 1-39	59.879	24.106	0.253	0.007	5.660	0.083	0.612	7.103	97.703	29.4	66.8	3.8
R073 1-40	60.175	23.887	0.223	0.002	6.255	0.196	0.585	7.298	98.638	31.0	65.5	3.5
R073 1-41	60.293	24.088	0.249	0.000	6.182	0.048	0.539	7.439	98.838	30.5	66.4	3.2

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R073 1-42	60.342	24.835	0.249	0.026	6.432	0.140	0.650	7.502	100.188	31.0	65.3	3.7
R073 1-43	60.308	24.502	0.234	0.011	6.359	0.000	0.633	7.551	99.614	30.6	65.8	3.6
R073 1-44	60.594	24.633	0.233	0.006	6.069	0.205	0.600	7.588	99.971	29.6	66.9	3.5
R073 1-45	59.768	24.041	0.206	0.002	5.888	0.061	0.538	7.491	97.995	29.3	67.5	3.2
R073 1-46	59.810	24.265	0.182	0.003	5.857	0.022	0.678	7.277	98.101	29.5	66.4	4.1
R073 1-47	60.543	24.276	0.263	0.017	6.001	0.188	0.766	7.543	99.603	29.2	66.4	4.4
R073 1-48	58.867	25.492	0.201	0.011	7.436	0.000	0.485	6.986	99.502	36.0	61.2	2.8
R073 1-49	58.596	25.455	0.255	0.020	7.725	0.074	0.504	6.675	99.314	37.9	59.2	2.9
R073 1-50	59.021	25.160	0.256	0.043	6.719	0.087	0.574	6.370	98.248	35.5	60.9	3.6
R073 1-51	58.054	25.696	0.243	0.022	7.536	0.118	0.489	6.594	98.762	37.6	59.5	2.9
R073 1-52	61.499	23.158	0.150	0.031	4.231	0.087	0.495	8.391	98.042	21.1	75.9	2.9
R073 1-53	59.959	24.446	0.189	0.005	5.779	0.122	0.490	7.502	98.507	29.0	68.1	2.9
R073 1-54	59.919	23.901	0.286	0.089	4.028	0.292	1.433	8.035	97.995	19.9	71.7	8.4
R073 1-55	60.546	24.129	0.233	0.169	3.695	0.000	1.198	7.950	97.920	18.9	73.7	7.3
R073 1-56	63.252	23.002	0.151	0.163	2.507	0.118	1.033	8.861	99.088	12.7	81.1	6.2
R073 1-57	57.454	26.006	0.335	0.054	8.000	0.000	0.358	6.099	98.325	41.1	56.7	2.2
R073 1-58	59.829	24.924	0.258	0.002	6.031	0.240	0.498	7.423	99.205	30.1	67.0	3.0
R073 1-59	59.346	24.733	0.247	0.020	6.783	0.105	0.416	7.463	99.113	32.6	65.0	2.4
R073 1-60	59.558	24.656	0.322	0.031	6.684	0.140	0.778	6.867	99.073	33.4	62.0	4.6
R073 1-61	59.584	24.549	0.261	0.000	6.361	0.397	0.584	7.378	99.114	31.2	65.4	3.4
R073 1-62	58.923	25.256	0.224	0.000	6.736	0.105	0.517	7.231	99.004	33.0	64.0	3.0
R073 1-63	56.186	26.731	0.229	0.016	9.166	0.083	0.274	5.782	98.495	45.9	52.4	1.6
R073 1-64	60.524	23.610	0.307	0.455	4.379	0.140	0.860	7.154	97.443	23.9	70.6	5.6
R073 1-65	63.044	22.315	0.240	0.001	3.643	0.000	0.298	9.232	98.775	17.6	80.7	1.7
R073 1-66	63.249	22.242	0.281	0.022	3.661	0.000	0.286	9.269	99.010	17.6	80.7	1.6
R073 2-1	63.452	22.472	0.200	0.004	3.761	0.000	0.415	8.545	98.891	19.1	78.4	2.5
R073 2-2	60.252	24.639	0.250	0.008	6.119	0.078	0.611	7.124	99.083	31.0	65.3	3.7

R073 2-3	58.771	25.379	0.268	0.049	7.349	0.000	0.579	6.256	98.651	38.0	58.5	3.6
R073 2-4	58.863	25.595	0.256	0.046	7.323	0.079	0.563	6.463	99.203	37.2	59.4	3.4
R073 2-5	58.261	25.295	0.208	0.059	5.833	0.148	3.465	5.281	98.568	29.9	49.0	21.1
R073 2-6	58.015	25.731	0.240	0.006	7.933	0.131	0.438	6.385	98.898	39.6	57.7	2.6
R073 2-7	58.472	25.724	0.229	0.014	7.554	0.244	0.454	6.174	98.865	39.2	58.0	2.8
R073 2-8	57.460	25.796	0.204	0.000	7.803	0.044	0.464	6.670	98.441	38.2	59.1	2.7
R073 2-9	57.858	25.592	0.229	0.003	7.428	0.113	0.481	6.412	98.151	37.9	59.2	2.9
R073 2-10	59.479	23.426	0.228	0.021	6.536	0.039	0.663	6.901	97.293	33.0	63.0	4.0
R073 2-11	59.920	24.750	0.253	0.015	6.519	0.183	0.686	6.817	99.143	33.1	62.7	4.2
R073 2-12	59.483	24.520	0.230	0.000	6.317	0.000	0.692	7.008	98.269	31.9	64.0	4.2
R073 2-13	63.147	18.597	0.147	0.010	0.083	0.542	15.840	0.869	99.235	0.4	7.7	91.9
R073 2-14	58.512	25.681	0.319	0.003	7.688	0.122	0.356	6.567	99.248	38.4	59.4	2.1
R073 2-15	57.321	25.525	0.265	0.016	7.567	0.048	0.370	6.161	97.301	39.5	58.2	2.3
R073 2-16	56.797	26.660	0.228	0.000	8.750	0.105	0.471	5.933	98.970	43.6	53.6	2.8
R073 2-17	60.844	25.250	0.281	0.003	6.639	0.058	0.653	7.146	100.874	32.6	63.6	3.8
R073 2-18	57.607	25.937	0.241	0.017	7.822	0.214	0.457	6.421	98.716	39.1	58.1	2.7
R073 2-19	58.268	25.442	0.278	0.007	7.287	0.083	0.492	6.778	98.648	36.2	60.9	2.9
R073 2-20	58.784	25.296	0.215	0.016	7.185	0.209	0.588	6.849	99.173	35.4	61.1	3.5
R073 2-21	59.576	24.453	0.256	0.013	6.646	0.109	0.663	6.975	98.692	33.1	62.9	3.9
R073 2-22	58.645	25.589	0.241	0.001	7.495	0.057	0.432	6.396	98.875	38.3	59.1	2.6
R073 2-23	60.072	24.731	0.234	0.011	6.338	0.065	0.583	6.889	98.923	32.5	63.9	3.6
R073 2-24	56.352	27.336	0.284	0.007	9.412	0.214	0.365	5.721	99.701	46.6	51.3	2.2
R073 2-25	58.438	25.293	0.270	0.009	7.445	0.144	0.455	6.525	98.630	37.6	59.7	2.7
R073 2-26	58.828	25.374	0.218	0.007	7.260	0.105	0.508	6.750	99.063	36.2	60.8	3.0
R073 2-27	59.079	25.202	0.243	0.022	7.124	0.092	0.625	6.715	99.132	35.6	60.7	3.7
R073 2-28	54.987	27.925	0.273	0.016	9.350	0.061	0.292	5.210	98.115	48.9	49.3	1.8
R073 2-29	55.612	27.617	0.278	0.004	9.815	0.035	0.414	5.542	99.329	48.3	49.3	2.4

R073 2-30	53.484	27.356	0.217	0.010	9.733	0.074	0.493	5.498	96.877	48.0	49.1	2.9
R073 2-31	59.861	24.327	0.252	0.004	6.183	0.000	0.653	7.054	98.348	31.3	64.7	3.9
R073 2-33	58.982	24.787	0.273	0.013	6.807	0.157	0.494	6.687	98.200	34.9	62.1	3.0
R073 2-34	58.419	25.451	0.277	0.018	7.583	0.057	0.471	6.459	98.735	38.2	58.9	2.8
R073 2-35	59.106	24.837	0.212	0.018	6.863	0.092	0.467	6.842	98.437	34.7	62.5	2.8
R073 2-36	59.651	24.645	0.310	0.007	6.373	0.191	0.420	7.324	98.930	31.7	65.9	2.5
R073 2-37	58.440	24.846	0.264	0.049	6.849	0.048	0.594	6.900	98.003	34.2	62.3	3.5
R073 2-38	59.652	24.899	0.272	0.005	6.736	0.113	0.375	7.183	99.235	33.4	64.4	2.2
R073 3-1	62.835	22.414	0.209	0.008	3.904	0.000	0.510	8.521	98.427	19.6	77.4	3.0
R073 3-2	58.263	25.186	0.199	0.004	7.109	0.139	0.409	6.758	98.067	35.9	61.7	2.5
R073 3-4	58.805	25.463	0.236	0.009	7.113	0.192	0.423	6.651	98.914	36.2	61.2	2.6
R073 3-5	59.943	25.745	0.305	0.028	7.108	0.111	0.461	6.771	100.472	35.7	61.5	2.8
R073 3-6	60.280	24.672	0.256	0.017	6.174	0.091	0.592	7.282	99.364	30.8	65.7	3.5
R073 3-7	63.587	23.868	0.269	0.030	4.782	0.133	0.439	8.417	101.551	23.3	74.2	2.5
R073 3-8	64.363	21.732	0.139	0.020	2.518	0.000	0.482	9.122	98.376	12.8	84.2	2.9
R073 3-9	62.421	22.829	0.214	0.033	4.073	0.087	0.437	8.145	98.247	21.1	76.2	2.7
R073 3-10	63.246	21.927	0.190	0.000	3.130	0.022	0.417	8.619	97.576	16.3	81.1	2.6
R073 3-11	64.168	22.060	0.197	0.006	3.146	0.000	0.358	8.864	98.818	16.0	81.8	2.2
R073 3-12	63.883	22.027	0.170	0.001	2.982	0.191	0.233	8.755	98.242	15.6	82.9	1.5
R073 3-13	61.063	21.509	0.235	0.008	3.444	0.087	0.307	8.668	95.321	17.7	80.5	1.9
R073 3-14	62.150	23.299	0.200	0.003	4.574	0.113	0.494	7.995	98.828	23.3	73.7	3.0
R073 3-15	62.082	23.303	0.221	0.006	4.814	0.165	0.402	8.097	99.103	24.1	73.5	2.4
R073 3-16	62.245	23.072	0.226	0.000	4.540	0.083	0.387	8.020	98.573	23.3	74.4	2.4
R073 3-17	60.107	25.017	0.256	0.005	6.547	0.161	0.211	7.207	99.517	33.0	65.7	1.3
R073 3-18	60.944	24.182	0.290	0.113	3.989	0.000	1.540	7.366	98.424	20.8	69.6	9.6
R073 3-19	58.229	24.784	0.305	0.111	7.087	0.087	0.353	6.386	97.349	37.2	60.6	2.2
R073 3-20	58.229	25.077	0.295	0.081	7.075	0.009	0.349	6.659	97.774	36.2	61.7	2.1

R073 3-21	63.939	22.031	0.258	0.018	3.225	0.039	0.345	8.801	98.662	16.5	81.4	2.1
R073 3-22	63.116	22.815	0.251	0.010	3.961	0.000	0.292	8.437	98.892	20.2	78.0	1.8
R073 3-23	63.816	22.325	0.140	0.000	3.239	0.087	0.187	8.987	98.783	16.4	82.5	1.1
R073 3-24	60.280	24.390	0.254	0.012	5.713	0.000	0.284	7.604	98.537	28.8	69.5	1.7
R073 3-25	56.285	26.970	0.230	0.000	9.119	0.196	0.273	6.033	99.106	44.8	53.6	1.6
R073 3-26	57.980	25.649	0.256	0.013	7.548	0.118	0.484	6.187	98.266	39.1	57.9	3.0
R073 3-27	58.273	25.121	0.262	0.057	6.216	0.083	0.727	6.790	97.543	32.1	63.4	4.5
R073 3-28	57.466	25.115	0.445	0.554	6.225	0.048	1.268	5.800	96.936	34.1	57.6	8.3
R073 3-29	58.269	25.730	0.225	0.009	7.598	0.165	0.604	6.305	98.917	38.5	57.8	3.6
R073 3-30	57.857	25.076	0.310	0.013	7.507	0.248	0.447	5.994	97.452	39.7	57.4	2.8
R073 3-31	59.057	26.914	0.277	0.016	8.334	0.253	0.434	6.373	101.658	40.9	56.6	2.5
R073 3-32	59.639	24.991	0.260	0.011	6.665	0.026	0.568	7.157	99.324	32.8	63.8	3.3
R073 3-33	60.084	24.865	0.190	0.051	6.270	0.013	0.347	7.284	99.104	31.6	66.4	2.1
R073 3-34	59.395	24.700	0.226	0.013	6.551	0.170	0.641	7.023	98.723	32.7	63.5	3.8
R073 3-35	59.616	24.695	0.252	0.036	6.565	0.213	0.622	6.981	98.989	32.9	63.4	3.7
R073 3-36	58.924	24.374	0.305	0.018	6.560	0.083	0.708	6.603	97.575	33.9	61.7	4.4
R073 3-37	59.484	24.703	0.226	0.000	6.384	0.239	0.478	7.102	98.616	32.2	64.9	2.9
R073 3-38	59.196	24.765	0.268	0.039	6.600	0.000	0.631	6.895	98.411	33.3	62.9	3.8
R073 3-39	58.214	25.834	0.257	0.002	7.807	0.074	0.442	6.341	98.971	39.4	57.9	2.7
R073 3-40	57.854	25.482	0.233	0.004	7.395	0.039	0.423	6.620	98.072	37.2	60.3	2.5
R073 3-41	52.227	29.908	0.259	0.014	12.653	0.017	0.230	4.124	99.441	62.1	36.6	1.3
R073 3-42	52.478	29.684	0.326	0.023	12.631	0.114	0.223	4.181	99.660	61.7	37.0	1.3
R073 3-43	51.696	30.051	0.327	0.008	12.746	0.109	0.220	3.785	98.942	64.2	34.5	1.3
R073 3-44	52.017	29.366	0.341	0.012	13.019	0.101	0.206	3.786	98.848	64.7	34.1	1.2
R073 3-45	51.715	29.965	0.299	0.033	12.982	0.153	0.213	3.863	99.263	64.2	34.6	1.3
R073 3-46	52.027	30.148	0.379	0.000	12.677	0.057	0.214	3.968	99.498	63.0	35.7	1.3
R073 3-47	51.825	29.726	0.318	0.001	13.164	0.122	0.201	3.803	99.184	64.9	33.9	1.2

R073 3-48	51.172	30.202	0.390	0.090	13.130	0.135	0.256	3.810	99.223	64.6	33.9	1.5
R073 3-49	54.848	29.315	0.278	0.000	11.374	0.134	0.236	4.685	100.884	56.5	42.1	1.4
R073 3-50	54.052	28.301	0.445	0.092	7.707	0.183	2.555	4.429	97.797	41.1	42.7	16.2
R073 3-51	56.428	26.432	0.307	0.000	9.060	0.004	0.512	5.807	98.566	44.9	52.1	3.0
R073 3-52	53.285	28.992	0.235	0.000	11.823	0.000	0.232	4.445	99.012	58.7	39.9	1.4
R073 3-53	53.363	30.542	0.301	0.018	12.365	0.085	0.227	4.197	101.118	61.1	37.5	1.3
R073 3-54	51.886	29.759	0.428	0.087	12.419	0.131	0.280	4.226	99.221	60.9	37.5	1.6
R073 3-55	53.643	29.498	0.287	0.028	11.756	0.170	0.389	4.420	100.194	58.1	39.6	2.3
R073 3-56	51.603	30.546	0.306	0.056	11.878	0.092	1.131	3.551	99.204	60.4	32.7	6.9
R073 3-57	51.615	28.878	0.290	0.037	12.861	0.000	0.253	3.964	97.902	63.2	35.3	1.5
R073 3-58	53.577	28.065	0.282	0.015	11.022	0.000	0.270	5.002	98.233	54.0	44.4	1.6
R073 3-59	52.087	29.601	0.829	0.383	10.406	0.205	1.546	3.846	98.903	54.2	36.2	9.6
R073 3-60	55.148	27.012	0.329	0.208	7.761	0.100	1.150	5.267	96.975	41.6	51.1	7.3
R073 3-61	59.075	25.472	0.272	0.016	7.043	0.179	0.533	6.968	99.559	34.7	62.2	3.1
R073 3-63	58.048	26.251	0.222	0.017	8.137	0.179	0.459	6.422	99.799	40.1	57.2	2.7
R073 3-64	57.810	25.949	0.275	0.019	7.559	0.223	0.397	6.700	98.932	37.5	60.2	2.3
R073 3-65	58.731	25.314	0.311	0.006	7.047	0.087	0.350	6.898	98.746	35.3	62.6	2.1
R073 3-66	59.885	24.926	0.213	0.012	6.208	0.144	0.411	7.338	99.137	31.1	66.5	2.4
R073 3-67	59.922	24.659	0.229	0.021	6.396	0.170	0.442	7.314	99.178	31.7	65.7	2.6
R073 3-68	59.602	24.874	0.237	0.011	6.751	0.240	0.440	6.948	99.103	34.0	63.3	2.6
R073 3-69	60.539	24.223	0.239	0.023	6.049	0.017	0.331	7.687	99.120	29.7	68.3	1.9
R073 3-70	64.234	21.483	0.177	0.000	2.558	0.000	1.364	8.818	98.634	12.7	79.2	8.1
R073 4-1	64.233	21.338	0.226	0.000	2.586	0.100	1.397	8.657	98.565	13.0	78.7	8.4
R073 4-2	60.946	24.959	0.249	0.019	6.403	0.147	0.635	7.614	100.974	30.6	65.8	3.6
R073 4-3	59.650	24.453	0.243	0.031	6.115	0.000	0.598	7.453	98.556	30.1	66.4	3.5
R073 4-4	59.517	25.078	0.270	0.016	6.538	0.161	0.554	7.018	99.204	32.9	63.8	3.3
R073 4-5	59.589	24.934	0.250	0.016	6.793	0.105	0.540	7.404	99.661	32.6	64.3	3.1

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R073 4-6	58.323	25.936	0.223	0.013	7.688	0.109	0.464	6.683	99.484	37.8	59.5	2.7
R073 4-7	57.432	26.347	0.246	0.000	8.343	0.144	0.396	6.575	99.483	40.3	57.4	2.3
R073 4-8	57.509	26.282	0.271	0.020	8.305	0.035	0.418	6.405	99.288	40.7	56.8	2.4
R073 4-9	57.171	26.946	0.273	0.015	8.654	0.000	0.384	6.275	99.764	42.3	55.5	2.2
R073 4-10	58.794	25.861	0.248	0.027	7.471	0.140	0.536	6.706	99.820	36.9	59.9	3.2
R073 4-11	58.136	25.985	0.228	0.007	7.385	0.144	0.583	6.596	99.108	36.9	59.6	3.5
R073 4-12	58.872	25.613	0.263	0.021	7.378	0.057	0.420	6.966	99.613	36.0	61.5	2.4
R073 4-13	57.480	25.882	0.228	0.017	7.658	0.122	0.446	6.857	98.690	37.2	60.2	2.6
R073 4-14	59.489	24.966	0.237	0.004	6.667	0.179	0.512	7.397	99.453	32.3	64.8	3.0
R073 4-15	59.314	25.374	0.306	0.011	7.003	0.044	0.443	7.419	99.914	33.4	64.1	2.5
R073 4-16	60.413	25.116	0.239	0.022	6.758	0.071	0.437	7.389	100.445	32.7	64.8	2.5
R073 4-17	58.170	25.633	0.215	0.016	7.582	0.153	0.345	6.709	98.830	37.7	60.3	2.0
R073 4-18	58.310	25.688	0.300	0.000	7.515	0.092	0.484	6.675	99.080	37.3	59.9	2.9
R073 4-19	57.263	26.211	0.312	0.016	8.583	0.131	0.358	6.537	99.452	41.2	56.8	2.0
R073 4-20	57.668	26.136	0.276	0.050	8.138	0.000	0.477	6.359	99.130	40.3	56.9	2.8
R073 4-21	58.070	26.058	0.246	0.021	7.871	0.070	0.469	6.649	99.469	38.5	58.8	2.7
R073 4-22	60.319	25.849	0.202	0.000	7.337	0.156	0.394	7.250	101.529	35.1	62.7	2.2
R073 4-23	58.546	25.501	0.272	0.019	7.518	0.083	0.430	7.068	99.456	36.1	61.4	2.5
R073 4-24	56.422	26.797	0.357	0.290	8.073	0.105	0.724	5.911	98.682	41.1	54.5	4.4
R073 4-25	56.299	26.923	0.338	0.276	8.153	0.074	0.708	5.770	98.541	41.9	53.7	4.3
R073 4-26	58.138	26.334	0.238	0.009	7.875	0.170	0.474	6.801	100.063	38.0	59.3	2.7
R073 4-27	56.295	27.462	0.270	0.013	9.688	0.210	0.355	5.995	100.288	46.2	51.8	2.0
R073 4-28	56.308	27.432	0.274	0.022	9.401	0.118	0.340	5.946	99.868	45.7	52.3	2.0
R073 4-29	58.521	25.799	0.290	0.001	7.631	0.188	0.549	6.695	99.705	37.4	59.4	3.2
R073 4-30	58.008	25.837	0.261	0.021	7.462	0.240	0.524	6.668	99.062	37.0	59.9	3.1
R073 4-31	60.190	24.366	0.207	0.002	5.736	0.179	0.702	7.292	98.698	29.0	66.8	4.2
R073 4-32	58.712	25.538	0.228	0.024	7.496	0.118	0.469	6.742	99.328	37.0	60.2	2.8

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R073 4-33	57.943	25.903	0.330	0.028	7.692	0.052	0.513	6.799	99.267	37.3	59.7	3.0
R073 4-34	58.930	25.016	0.224	0.010	6.670	0.035	0.633	7.397	98.915	32.1	64.3	3.6
R073 4-35	58.726	25.353	0.211	0.008	7.222	0.275	0.442	6.686	98.923	36.4	61.0	2.7
R073 5-1	62.204	23.424	0.194	0.020	4.376	0.153	0.309	8.397	99.098	21.9	76.2	1.8
R073 5-2	61.201	24.241	0.187	0.008	5.540	0.166	0.446	8.024	99.813	26.9	70.5	2.6
R073 5-3	59.433	25.164	0.226	0.000	6.998	0.079	0.449	7.049	99.414	34.5	62.9	2.6
R073 5-4	58.661	25.607	0.247	0.026	7.525	0.131	0.490	6.821	99.521	36.8	60.4	2.9
R073 5-5	58.435	25.753	0.222	0.021	7.105	0.162	0.510	6.720	98.928	35.8	61.2	3.1
R073 5-6	58.766	26.014	0.243	0.000	7.619	0.190	0.540	6.889	100.284	36.8	60.1	3.1
R073 5-7	60.364	24.559	0.205	0.031	6.106	0.068	0.689	7.472	99.494	29.9	66.1	4.0
R073 5-8	59.649	25.320	0.206	0.013	6.662	0.144	0.575	7.257	99.828	32.5	64.1	3.3
R073 5-9	59.792	24.790	0.236	0.023	6.704	0.156	0.614	7.042	99.382	33.2	63.2	3.6
R073 5-10	57.685	26.305	0.249	0.011	8.081	0.089	0.460	6.594	99.474	39.3	58.0	2.7
R073 5-11	57.006	26.442	0.264	0.005	8.566	0.059	0.749	6.200	99.291	41.4	54.3	4.3
R073 5-12	56.930	26.729	0.288	0.000	8.761	0.068	0.434	6.135	99.345	43.0	54.5	2.5
R073 5-13	56.491	26.814	0.271	0.013	8.979	0.004	0.404	5.983	98.991	44.3	53.4	2.4
R073 5-14	55.826	27.350	0.214	0.014	9.316	0.152	0.363	5.668	98.906	46.6	51.3	2.2
R073 5-15	53.965	26.841	0.337	0.024	9.457	0.131	0.414	5.976	97.157	45.5	52.1	2.4
R073 5-16	56.789	27.120	0.276	0.019	9.235	0.068	0.411	5.914	99.869	45.2	52.4	2.4
R073 5-17	55.783	26.977	0.335	0.010	9.117	0.000	0.389	5.881	98.503	45.1	52.6	2.3
R073 5-18	57.274	26.733	0.300	0.016	8.450	0.131	0.452	6.209	99.583	41.8	55.6	2.7
R073 5-19	57.032	26.223	0.310	0.002	8.642	0.152	0.488	6.349	99.217	41.7	55.5	2.8
R073 5-20	58.230	26.080	0.283	0.006	8.139	0.063	0.542	6.762	100.133	38.7	58.2	3.1
R073 5-21	58.920	25.266	0.231	0.026	7.190	0.123	0.566	6.926	99.249	35.2	61.4	3.3
R073 5-22	58.358	25.906	0.241	0.014	7.687	0.241	0.507	6.685	99.649	37.7	59.3	3.0
R073 5-23	58.751	25.494	0.237	0.023	7.153	0.228	0.570	6.942	99.402	35.1	61.6	3.3
R073 5-24	58.802	25.375	0.268	0.013	7.051	0.072	0.522	6.791	98.936	35.3	61.6	3.1

R073 5-25	57.041	26.378	0.253	0.137	6.648	0.034	1.489	6.345	98.329	33.4	57.7	8.9
R073 5-26	61.493	23.658	0.258	0.007	5.157	0.042	0.465	7.401	98.485	27.0	70.1	2.9
R073 5-27	58.953	25.864	0.253	0.011	7.290	0.275	0.387	6.949	99.992	35.9	61.9	2.3
R073 5-28	61.532	23.349	0.189	0.002	5.286	0.068	0.296	8.197	98.919	25.8	72.5	1.7
R073 5-29	61.316	24.142	0.207	0.008	5.263	0.144	0.263	8.363	99.706	25.4	73.1	1.5
R073 6-1	63.861	21.571	0.182	0.029	2.971	0.097	0.599	9.353	98.664	14.4	82.1	3.5
R073 6-2	62.285	23.067	0.229	0.003	4.500	0.021	0.565	8.584	99.254	21.7	75.0	3.2
R073 6-3	61.847	23.364	0.245	0.009	4.831	0.000	0.626	8.501	99.436	23.0	73.4	3.6
R073 6-4	60.699	23.841	0.220	0.008	5.422	0.169	0.608	7.720	98.687	27.0	69.4	3.6
R073 6-5	59.607	24.849	0.238	0.001	6.730	0.195	0.440	6.914	98.988	34.0	63.3	2.7
R073 6-6	58.386	25.334	0.210	0.015	7.220	0.169	0.583	6.485	98.418	36.7	59.7	3.5
R073 6-7	58.470	25.485	0.249	0.029	7.035	0.216	0.484	6.725	98.694	35.6	61.5	2.9
R073 6-8	56.942	25.953	0.243	0.018	8.241	0.165	0.421	6.157	98.156	41.4	56.0	2.5
R073 6-9	54.560	28.160	0.240	0.005	10.447	0.131	0.319	5.064	98.938	52.3	45.8	1.9
R073 6-10	51.911	29.399	0.365	0.002	12.085	0.004	0.237	4.426	98.429	59.3	39.3	1.4
R073 6-11	52.270	29.913	0.366	0.003	12.380	0.102	0.221	4.166	99.421	61.3	37.4	1.3
R073 6-12	53.056	29.284	0.346	0.000	11.664	0.081	0.255	4.564	99.262	57.7	40.8	1.5
R073 6-13	53.499	28.864	0.314	0.017	11.521	0.025	0.249	4.449	98.938	58.0	40.5	1.5
R073 6-14	52.956	29.205	0.416	0.012	11.549	0.000	0.236	4.492	98.872	57.9	40.7	1.4
R073 6-15	53.094	28.458	0.340	0.037	11.459	0.051	0.261	4.431	98.140	57.9	40.5	1.6
R073 6-16	53.361	29.258	0.480	0.135	11.755	0.119	0.352	4.462	99.947	58.1	39.9	2.1
R073 6-17	58.049	26.151	0.275	0.018	8.127	0.042	0.447	6.276	99.385	40.6	56.7	2.7
R073 6-19	53.275	28.940	0.437	0.012	11.810	0.000	0.245	4.350	99.098	59.1	39.4	1.5
R073 6-20	53.567	28.833	0.348	0.020	11.672	0.042	0.298	4.585	99.395	57.4	40.8	1.7
R073 6-21	52.780	30.379	0.398	0.019	13.297	0.061	0.237	4.029	101.212	63.7	34.9	1.4
R073 6-22	52.523	29.135	0.832	0.400	11.820	0.114	0.525	3.935	99.289	60.4	36.4	3.2
R073 6-23	53.329	29.390	0.352	0.022	12.062	0.068	0.265	4.379	99.876	59.4	39.0	1.6

R073 6-24	57.251	26.374	0.257	0.009	8.628	0.000	0.420	5.986	98.929	43.2	54.3	2.5
R073 6-25	57.695	25.819	0.218	0.012	7.809	0.152	0.483	6.435	98.662	39.0	58.1	2.9
R073 6-26	59.309	25.020	0.282	0.005	6.810	0.254	0.521	7.036	99.238	33.8	63.1	3.1
R073 6-27	57.905	26.303	0.222	0.008	8.172	0.102	0.505	6.259	99.506	40.7	56.4	3.0
R073 6-28	59.062	25.596	0.224	0.004	7.381	0.110	0.495	6.465	99.345	37.5	59.5	3.0
R073 6-29	59.787	24.992	0.209	0.004	6.743	0.216	0.585	6.803	99.339	34.1	62.3	3.5
R073 6-30	60.044	24.737	0.213	0.015	6.273	0.047	0.545	6.872	98.758	32.4	64.2	3.4
R073 6-31	59.964	23.926	0.209	0.011	5.364	0.178	0.576	7.582	97.810	27.1	69.4	3.5
R073 6-32	62.808	22.875	0.306	0.003	4.244	0.000	0.405	8.455	99.105	21.2	76.4	2.4
R073 6-33	63.615	21.999	0.240	0.011	3.258	0.080	0.262	9.063	98.534	16.3	82.1	1.6
R0733 5-4	67.400	19.928	0.025	0.010	0.296	0.000	0.079	11.589	99.353	1.4	98.2	0.4
R0733 5-5	67.666	19.799	0.035	0.013	0.133	0.122	0.057	11.504	99.329	0.6	99.0	0.3
R0733 5-6	67.620	19.850	0.000	0.002	0.185	0.000	0.094	11.424	99.183	0.9	98.6	0.5
R0733 5-7	67.070	21.033	0.135	0.035	0.288	0.125	0.591	10.468	99.764	1.4	95.0	3.5
R0733 5-8	67.501	19.458	0.012	0.010	0.256	0.160	0.096	11.110	98.603	1.3	98.2	0.6
R0733 5-9	67.588	19.539	0.032	0.041	0.093	0.055	0.069	11.395	98.812	0.4	99.2	0.4
R0733 5-10	67.850	19.835	0.007	0.015	0.206	0.080	0.097	11.121	99.211	1.0	98.4	0.6
R0733 5-11	68.050	19.893	0.004	0.007	0.151	0.000	0.064	11.428	99.597	0.7	98.9	0.4
R0733 5-12	67.835	19.626	0.049	0.004	0.111	0.055	0.067	11.460	99.207	0.5	99.1	0.4
R0733 5-13	67.625	19.638	0.027	0.008	0.102	0.000	0.037	11.383	98.857	0.5	99.3	0.2
R0733 5-14	67.858	19.712	0.000	0.016	0.164	0.063	0.082	11.088	98.998	0.8	98.7	0.5
R0733 5-15	67.975	19.968	0.032	0.000	0.236	0.025	0.091	11.243	99.592	1.1	98.3	0.5
R0733 5-16	67.906	19.767	0.047	0.024	0.226	0.000	0.121	11.373	99.464	1.1	98.2	0.7
R0733 5-17	67.548	19.331	0.025	0.009	0.261	0.000	0.120	10.910	98.204	1.3	98.0	0.7
R0733 5-18	67.409	19.926	0.013	0.013	0.266	0.021	0.112	11.482	99.248	1.3	98.1	0.6
R0733 5-19	67.749	19.774	0.279	0.372	0.152	0.067	0.197	11.344	99.958	0.7	98.2	1.1
R0733 5-20	68.256	19.844	0.000	0.004	0.252	0.000	0.113	11.293	99.762	1.2	98.1	0.6

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R0733 5-21	67.958	19.827	0.022	0.000	0.248	0.000	0.121	11.160	99.354	1.2	98.1	0.7
R0733 5-22	67.174	19.818	0.021	0.000	0.182	0.038	0.116	11.272	98.621	0.9	98.5	0.7
R0733 5-23	67.967	19.839	0.053	0.031	0.228	0.000	0.106	11.378	99.617	1.1	98.3	0.6
R0733 5-24	67.915	19.786	0.000	0.005	0.251	0.034	0.108	11.212	99.332	1.2	98.2	0.6
R0733 5-25	68.207	19.961	0.070	0.000	0.224	0.105	0.072	11.484	100.123	1.1	98.5	0.4
R0733 5-26	67.512	19.864	0.115	0.105	0.220	0.000	0.185	11.086	99.087	1.1	97.9	1.1
R0733 5-27	67.570	19.750	0.000	0.017	0.116	0.101	0.093	10.970	98.617	0.6	98.9	0.6
R0733 5-29	67.968	19.722	0.022	0.000	0.252	0.000	0.121	11.182	99.277	1.2	98.1	0.7
R0733 5-30	67.713	19.922	0.029	0.000	0.228	0.063	0.102	11.167	99.224	1.1	98.3	0.6
R0733 5-31	67.800	19.473	0.080	0.007	0.244	0.000	0.102	11.025	98.731	1.2	98.2	0.6
R0733 5-32	67.600	20.077	0.049	0.008	0.234	0.143	0.101	11.041	99.253	1.2	98.3	0.6
R0733 5-33	67.799	19.845	0.034	0.002	0.147	0.000	0.118	11.197	99.142	0.7	98.6	0.7
R0733 5-34	67.435	19.761	0.041	0.000	0.289	0.038	0.113	11.096	98.780	1.4	97.9	0.7
R0733 5-35	67.082	20.030	0.041	0.005	0.306	0.101	0.112	11.317	98.998	1.5	97.9	0.6
R0733 5-36	68.035	19.720	0.033	0.000	0.167	0.000	0.094	11.362	99.411	0.8	98.7	0.5
R0733 5-37	67.129	19.689	0.167	0.083	0.117	0.008	0.221	11.119	98.533	0.6	98.1	1.3
R0733 5-38	66.330	19.711	0.243	0.074	0.153	0.013	0.223	10.941	97.723	0.8	97.9	1.3
R0733 5-39	67.828	19.891	0.076	0.004	0.292	0.030	0.096	11.255	99.472	1.4	98.0	0.6
R0733 5-40	67.904	19.796	0.086	0.000	0.217	0.059	0.157	11.246	99.468	1.0	98.1	0.9
R0733 5-41	67.870	19.713	0.079	0.000	0.234	0.008	0.152	11.195	99.278	1.1	98.0	0.9
R0733 5-42	67.565	19.872	0.057	0.004	0.213	0.000	0.107	11.217	99.058	1.0	98.4	0.6
R0733 5-43	67.653	18.911	0.033	0.008	0.205	0.000	0.090	11.220	98.120	1.0	98.5	0.5
R0733 5-44	67.610	19.909	0.025	0.000	0.223	0.046	0.111	11.030	98.975	1.1	98.3	0.7
R0733 5-45	68.263	19.440	0.063	0.007	0.218	0.000	0.102	11.439	99.535	1.0	98.4	0.6
R0733 5-46	68.264	19.897	0.045	0.023	0.136	0.152	0.104	11.373	99.995	0.7	98.8	0.6
R0733 5-47	67.417	19.761	0.047	0.003	0.216	0.000	0.133	11.372	98.949	1.0	98.2	0.8
R0733 5-48	67.643	19.670	0.033	0.030	0.158	0.038	0.098	11.289	98.959	0.8	98.7	0.6

R0733 5-49	67.736	19.938	0.100	0.025	0.220	0.000	0.166	11.314	99.513	1.1	98.0	0.9
R0733 5-50	67.848	19.803	0.025	0.027	0.177	0.000	0.124	11.258	99.262	0.9	98.4	0.7
R0733 5-51	67.949	19.766	0.021	0.000	0.290	0.017	0.099	10.870	99.012	1.4	98.0	0.6
R0733 5-52	67.184	20.076	0.027	0.000	0.214	0.000	0.104	10.997	98.616	1.1	98.3	0.6
R0733 5-53	67.931	19.747	0.075	0.000	0.159	0.067	0.093	11.266	99.338	0.8	98.7	0.5
R0733 5-54	68.113	19.888	0.029	0.016	0.195	0.143	0.114	11.068	99.580	1.0	98.4	0.7
R0733 5-55	67.111	19.928	0.033	0.016	0.199	0.025	0.118	11.199	98.629	1.0	98.4	0.7
R0733 5-56	69.441	20.241	0.039	0.003	0.195	0.000	0.119	11.578	101.616	0.9	98.4	0.7
R0733 5-57	68.044	19.857	0.048	0.016	0.245	0.000	0.124	11.208	99.542	1.2	98.1	0.7
R0733 5-58	67.962	19.850	0.034	0.004	0.226	0.164	0.121	10.998	99.388	1.1	98.2	0.7
R0733 5-59	67.607	18.589	0.017	0.007	0.208	0.042	0.086	11.431	97.987	1.0	98.5	0.5
R0733 5-60	67.730	19.714	0.043	0.007	0.116	0.080	0.122	11.525	99.337	0.5	98.8	0.7
R0733 5-61	67.363	19.722	0.053	0.000	0.141	0.055	0.101	11.131	98.603	0.7	98.7	0.6
R0733 5-62	68.135	19.825	0.029	0.000	0.101	0.000	0.068	11.422	99.598	0.5	99.1	0.4
R0733 5-63	67.812	19.607	0.013	0.001	0.166	0.000	0.109	11.193	98.904	0.8	98.6	0.6
R0733 5-64	67.529	19.133	0.023	0.020	0.236	0.034	0.072	11.038	98.095	1.2	98.4	0.4
R0733 5-65	66.646	19.392	0.027	0.018	0.184	0.122	0.070	11.111	97.573	0.9	98.7	0.4
R0733 5-66	67.085	19.701	0.015	0.003	0.244	0.076	0.092	11.503	98.735	1.2	98.3	0.5
R0733 5-67	67.940	19.886	0.050	0.022	0.213	0.038	0.109	11.210	99.500	1.0	98.3	0.6
R0733 5-68	67.882	19.349	0.041	0.025	0.169	0.118	0.094	11.259	98.946	0.8	98.6	0.5
R0733 5-69	67.484	19.464	0.059	0.007	0.237	0.000	0.091	11.119	98.461	1.2	98.3	0.5
R0733 5-70	67.833	19.647	0.035	0.077	0.163	0.055	0.107	11.115	99.056	0.8	98.6	0.6
R0733 5-71	67.535	19.882	0.002	0.013	0.244	0.164	0.093	11.532	99.465	1.1	98.3	0.5
R0733 5-72	67.789	19.799	0.025	0.030	0.243	0.000	0.191	11.629	99.706	1.1	97.8	1.1
R0733 4-1	67.157	19.638	0.049	0.015	0.313	0.139	0.124	11.219	98.654	1.5	97.8	0.7
R0733 4-2	66.892	20.040	0.013	0.000	0.477	0.076	0.094	11.126	98.718	2.3	97.2	0.5
R0733 4-3	66.467	19.659	0.041	0.014	0.173	0.042	0.099	11.253	97.778	0.8	98.6	0.6

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R0733 4-4	66.340	19.763	0.416	0.513	0.237	0.000	0.208	10.884	98.361	1.2	97.6	1.2
R0733 4-5	67.535	19.349	0.010	0.000	0.323	0.000	0.144	10.510	97.871	1.7	97.5	0.9
R0733 4-6	67.249	19.813	0.034	0.003	0.341	0.067	0.129	11.128	98.779	1.7	97.6	0.7
R0733 4-7	67.513	19.840	0.024	0.001	0.460	0.042	0.134	11.109	99.132	2.2	97.0	0.8
R0733 4-8	67.288	19.755	0.031	0.000	0.379	0.139	0.233	11.168	98.993	1.8	96.9	1.3
R0733 4-10	67.510	20.010	0.065	0.008	0.314	0.000	0.126	11.152	99.207	1.5	97.8	0.7
R0733 4-11	66.316	19.849	0.000	0.004	0.248	0.017	0.130	11.364	97.960	1.2	98.1	0.7
R0733 4-12	66.351	19.789	0.030	0.025	0.322	0.101	0.274	11.176	98.080	1.5	96.9	1.6
R0733 4-13	65.891	19.836	0.000	0.018	0.418	0.088	0.284	10.154	96.690	2.2	96.0	1.8
R0733 4-14	67.617	19.785	0.022	0.000	0.434	0.110	0.107	11.218	99.293	2.1	97.3	0.6
R0733 4-15	67.503	19.277	0.033	0.003	0.243	0.114	0.108	11.316	98.597	1.2	98.2	0.6
R0733 4-16	67.673	20.045	0.008	0.014	0.308	0.000	0.090	11.240	99.378	1.5	98.0	0.5
R0733 4-17	66.688	19.810	0.032	0.007	0.320	0.126	0.149	11.034	98.177	1.6	97.6	0.9
R0733 4-18	65.204	19.465	0.070	0.320	0.704	0.025	0.104	11.161	97.059	3.3	96.1	0.6
R0733 4-19	66.852	19.937	0.007	0.001	0.373	0.000	0.252	10.688	98.110	1.9	96.6	1.5
R0733 4-20	67.308	19.864	0.014	0.007	0.397	0.025	0.085	10.768	98.489	2.0	97.5	0.5
R0733 4-21	67.401	19.712	0.029	0.001	0.276	0.034	0.076	11.128	98.657	1.3	98.2	0.4
R0733 4-22	67.114	19.129	0.009	0.005	0.226	0.000	0.075	11.257	97.839	1.1	98.5	0.4
R0733 4-23	66.745	19.811	0.047	0.021	0.376	0.000	0.119	11.114	98.234	1.8	97.5	0.7
R0733 4-24	66.125	20.193	0.041	0.000	0.351	0.000	0.107	10.839	97.673	1.7	97.6	0.6
R0733 4-25	67.664	19.607	0.059	0.010	0.304	0.017	0.102	11.063	98.827	1.5	97.9	0.6
R0733 4-26	67.332	19.826	0.000	0.018	0.422	0.000	0.125	11.056	98.779	2.1	97.2	0.7
R0733 4-27	66.807	19.817	0.065	0.004	0.384	0.021	0.208	11.158	98.468	1.8	97.0	1.2
R0733 4-28	67.316	19.488	0.045	0.011	0.340	0.067	0.095	10.927	98.308	1.7	97.8	0.6
R0733 4-29	67.317	20.093	0.025	0.000	0.389	0.013	0.135	10.806	98.795	1.9	97.3	0.8
R0733 4-30	66.088	19.545	0.057	0.000	0.344	0.000	0.127	10.980	97.189	1.7	97.6	0.7
R0733 4-31	67.582	20.190	0.019	0.012	0.428	0.000	0.122	11.266	99.619	2.0	97.3	0.7

R0733 4-32	67.698	19.790	0.077	0.083	0.264	0.000	0.129	11.026	99.096	1.3	97.9	0.8
R0733 4-33	67.373	19.854	0.024	0.007	0.372	0.093	0.120	10.694	98.537	1.9	97.4	0.7
R0733 4-34	67.679	19.872	0.000	0.000	0.310	0.034	0.133	10.971	98.999	1.5	97.7	0.8
R0733 4-35	67.555	19.688	0.078	0.036	0.311	0.164	0.151	10.991	98.974	1.5	97.6	0.9
R0733 4-36	67.111	20.011	0.065	0.023	0.384	0.088	0.161	11.136	98.981	1.9	97.2	0.9
R0733 4-37	67.191	19.611	0.037	0.013	0.354	0.000	0.108	10.830	98.144	1.8	97.6	0.6
R0733 4-38	66.910	19.618	0.047	0.014	0.255	0.038	0.174	10.861	97.917	1.3	97.7	1.0
R0733 4-39	67.296	19.913	0.032	0.045	0.414	0.008	0.132	10.965	98.805	2.0	97.2	0.8
R0733 4-40	66.816	19.255	0.029	0.000	0.288	0.000	0.106	11.060	97.554	1.4	98.0	0.6
R0733 4-41	67.757	20.172	0.055	0.000	0.422	0.013	0.121	11.065	99.605	2.0	97.3	0.7
R0733 4-42	68.902	19.856	0.033	0.000	0.367	0.000	0.092	11.305	100.569	1.8	97.7	0.5
R0733 4-43	67.708	19.507	0.010	0.000	0.324	0.004	0.094	11.055	98.703	1.6	97.9	0.5
R0733 4-44	67.697	19.935	0.014	0.007	0.359	0.051	0.099	11.099	99.261	1.7	97.7	0.6
R0733 4-45	66.822	19.926	0.022	0.004	0.339	0.017	0.126	10.800	98.080	1.7	97.6	0.7
R0733 4-46	67.734	20.041	0.057	0.000	0.327	0.000	0.121	11.090	99.370	1.6	97.7	0.7
R0733 4-47	66.516	19.737	0.128	0.324	0.220	0.050	0.245	11.142	98.388	1.1	97.5	1.4
R0733 4-48	67.534	19.870	0.006	0.000	0.291	0.038	0.072	11.046	98.857	1.4	98.2	0.4
R0733 4-49	67.429	19.788	0.000	0.001	0.217	0.055	0.072	11.258	98.820	1.0	98.5	0.4
R0733 4-50	66.796	19.744	0.038	0.007	0.246	0.051	0.094	10.684	97.661	1.2	98.2	0.6
R0733 4-51	67.583	19.791	0.009	0.025	0.287	0.046	0.188	11.124	99.053	1.4	97.5	1.1
R0733 4-52	67.300	19.997	0.000	0.004	0.410	0.080	0.121	10.986	98.917	2.0	97.3	0.7
R0733 4-53	67.137	20.065	0.046	0.000	0.285	0.067	0.177	11.071	98.848	1.4	97.6	1.0
R0733 4-54	67.430	19.774	0.055	0.003	0.253	0.029	0.070	11.146	98.760	1.2	98.4	0.4
R0733 4-55	67.040	19.943	0.046	0.005	0.313	0.000	0.074	11.322	98.753	1.5	98.1	0.4
R0733 4-56	67.437	19.866	0.010	0.000	0.247	0.067	0.119	11.172	98.918	1.2	98.1	0.7
R0733 4-57	66.985	19.756	0.041	0.015	0.261	0.114	0.130	10.945	98.247	1.3	97.9	0.8
R0733 4-59	67.338	19.327	0.015	0.000	0.342	0.093	0.111	11.072	98.322	1.7	97.7	0.6

R0733 4-61	66.879	19.879	0.002	0.000	0.369	0.000	0.113	10.932	98.174	1.8	97.5	0.7
R0733 4-62	66.710	19.608	0.017	0.000	0.310	0.000	0.082	10.890	97.617	1.5	98.0	0.5
R0733 4-63	66.906	19.144	0.000	0.000	0.285	0.034	0.085	10.832	97.286	1.4	98.1	0.5
R0733 4-64	66.790	19.798	0.026	0.000	0.393	0.118	0.120	11.087	98.332	1.9	97.4	0.7
R0733 4-65	67.049	19.870	0.000	0.013	0.418	0.042	0.094	10.821	98.341	2.1	97.4	0.6
R0733 4-66	66.363	19.674	0.000	0.002	0.584	0.004	0.141	10.723	97.491	2.9	96.3	0.8
R0733 4-67	66.442	19.845	0.037	0.000	0.289	0.025	0.107	10.863	97.623	1.4	97.9	0.6
R0733 4-68	66.172	19.350	0.026	0.000	0.263	0.038	0.109	10.863	96.821	1.3	98.0	0.6
R0733 4-69	66.830	19.786	0.065	0.002	0.348	0.080	0.131	11.095	98.337	1.7	97.6	0.8
R0733 4-70	66.210	19.089	0.017	0.000	0.348	0.013	0.138	10.804	96.623	1.7	97.4	0.8
R0733 3-1	69.002	20.101	0.044	0.016	0.238	0.000	0.091	11.452	100.950	1.1	98.4	0.5
R0733 3-2	66.640	19.582	0.060	0.010	0.257	0.126	0.114	10.962	97.751	1.3	98.1	0.7
R0733 3-7	68.090	19.554	0.049	0.006	0.212	0.076	0.146	11.075	99.220	1.0	98.1	0.9
R0733 3-10	67.304	19.322	0.011	0.004	0.367	0.059	0.108	10.967	98.142	1.8	97.6	0.6
R0733 3-11	66.882	19.926	0.012	0.000	0.406	0.139	0.118	11.178	98.661	2.0	97.4	0.7
R0733 3-12	67.533	19.967	0.029	0.000	0.470	0.000	0.115	11.323	99.464	2.2	97.1	0.6
R0733 3-13	67.681	19.150	0.030	0.010	0.354	0.013	0.146	11.280	98.664	1.7	97.5	0.8
R0733 3-14	67.543	19.871	0.026	0.000	0.278	0.063	0.086	11.193	99.064	1.3	98.2	0.5
R0733 3-15	67.324	20.012	0.010	0.020	0.363	0.164	0.137	10.951	98.983	1.8	97.4	0.8
R0733 3-16	67.489	19.918	0.023	0.005	0.320	0.000	0.109	11.173	99.037	1.5	97.8	0.6
R0733 3-17	67.848	19.660	0.054	0.000	0.229	0.068	0.109	11.076	99.048	1.1	98.2	0.6
R0733 3-18	66.844	19.614	0.031	0.009	0.391	0.000	0.104	10.670	97.663	2.0	97.4	0.6
R0733 3-19	66.691	19.766	0.013	0.004	0.267	0.046	0.110	11.312	98.209	1.3	98.1	0.6
R0733 3-20	65.765	19.780	0.000	0.000	0.369	0.097	0.118	10.781	96.945	1.8	97.5	0.7
R0733 3-21	67.359	19.681	0.016	0.004	0.282	0.017	0.085	11.003	98.447	1.4	98.1	0.5
R0733 3-22	67.534	19.961	0.061	0.000	0.443	0.000	0.108	10.962	99.079	2.2	97.2	0.6
R0733 3-23	68.981	19.802	0.027	0.008	0.210	0.052	0.102	11.091	100.289	1.0	98.4	0.6

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R0733 3-24	67.660	19.558	0.000	0.005	0.257	0.038	0.094	11.382	99.006	1.2	98.2	0.5
R0733 3-25	67.764	19.793	0.055	0.004	0.137	0.021	0.082	11.360	99.241	0.7	98.9	0.5
R0733 3-26	67.600	19.948	0.000	0.000	0.307	0.135	0.118	10.932	99.040	1.5	97.8	0.7
R0733 3-27	67.793	20.102	0.016	0.017	0.417	0.114	0.131	10.938	99.539	2.0	97.2	0.8
R0733 3-28	66.574	19.419	0.101	0.771	0.271	0.000	0.109	10.769	98.014	1.4	98.0	0.7
R0733 3-29	67.454	19.850	0.021	0.038	0.249	0.000	0.208	10.767	98.590	1.2	97.5	1.2
R0733 3-30	67.352	19.843	0.000	0.006	0.351	0.000	0.074	11.114	98.740	1.7	97.9	0.4
R0733 3-31	67.143	19.448	0.001	0.006	0.251	0.160	0.088	11.123	98.220	1.2	98.3	0.5
R0733 3-32	67.470	19.608	0.041	0.004	0.345	0.000	0.121	10.696	98.287	1.7	97.5	0.7
R0733 3-33	67.274	19.770	0.012	0.003	0.296	0.034	0.091	11.004	98.496	1.5	98.0	0.5
R0733 3-34	65.978	19.358	0.021	0.009	0.199	0.093	0.079	11.086	96.823	1.0	98.6	0.5
R0733 3-35	68.065	19.839	0.020	0.021	0.210	0.000	0.129	11.336	99.631	1.0	98.3	0.7
R0733 3-36	68.256	19.775	0.012	0.000	0.272	0.000	0.131	11.012	99.460	1.3	97.9	0.8
R0733 3-37	67.815	19.889	0.025	0.002	0.375	0.000	0.126	11.015	99.247	1.8	97.4	0.7
R0733 3-38	67.685	19.768	0.000	0.006	0.344	0.000	0.094	10.815	98.712	1.7	97.7	0.6
R0733 3-39	67.070	19.615	0.036	0.000	0.325	0.000	0.101	10.675	97.822	1.6	97.7	0.6
R0733 2-1	67.264	19.029	0.006	0.000	0.258	0.000	0.099	11.223	97.884	1.2	98.2	0.6
R0733 2-3	67.521	20.030	0.019	0.015	0.491	0.034	0.127	10.765	99.022	2.4	96.8	0.8
R0733 2-5	67.161	19.735	0.057	0.015	0.352	0.135	0.177	10.861	98.497	1.7	97.2	1.0
R0733 2-6	66.853	19.658	0.039	0.007	0.225	0.131	0.174	10.699	97.786	1.1	97.8	1.0
R0733 2-7	65.947	19.462	0.000	0.006	0.250	0.000	0.083	10.905	96.668	1.2	98.3	0.5
R0733 2-8	67.729	19.727	0.021	0.020	0.314	0.000	0.144	11.078	99.033	1.5	97.6	0.8
R0733 2-9	67.612	19.930	0.018	0.000	0.279	0.101	0.110	11.275	99.339	1.3	98.0	0.6
R0733 2-10	67.784	19.935	0.000	0.000	0.332	0.000	0.108	11.135	99.314	1.6	97.8	0.6
R0733 2-11	67.059	19.713	0.007	0.019	0.300	0.114	0.090	11.374	98.676	1.4	98.1	0.5
R0733 2-12	67.825	19.648	0.003	0.007	0.188	0.089	0.082	11.156	99.007	0.9	98.6	0.5
R0733 2-13	67.589	19.969	0.015	0.022	0.311	0.000	0.175	10.992	99.088	1.5	97.5	1.0

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R0733 2-14	67.925	19.870	0.010	0.012	0.186	0.068	0.087	11.312	99.470	0.9	98.6	0.5
R0733 2-15	66.437	19.783	0.013	0.000	0.269	0.173	0.078	11.139	97.892	1.3	98.2	0.5
R0733 2-16	67.962	19.907	0.006	0.004	0.279	0.067	0.102	11.207	99.534	1.3	98.1	0.6
R0733 2-17	67.437	20.073	0.041	0.008	0.406	0.093	0.080	10.902	99.050	2.0	97.5	0.5
R0733 2-18	66.928	20.013	0.050	0.000	0.529	0.000	0.101	11.001	98.628	2.6	96.8	0.6
R0733 2-19	67.364	19.826	0.000	0.019	0.415	0.030	0.158	11.122	98.934	2.0	97.1	0.9
R0733 2-20	66.668	19.571	0.000	0.003	0.298	0.072	0.086	10.504	97.202	1.5	97.9	0.5
R0733 2-21	65.773	19.412	0.034	0.025	0.249	0.110	0.190	10.720	96.529	1.3	97.6	1.1
R0733 2-22	67.556	19.684	0.013	0.004	0.288	0.000	0.117	11.074	98.736	1.4	97.9	0.7
R0733 2-23	66.338	19.465	0.000	0.019	0.292	0.127	0.239	10.807	97.319	1.5	97.1	1.4
R0733 2-24	67.228	19.680	0.028	0.022	0.281	0.000	0.122	11.193	98.554	1.4	97.9	0.7
R0733 2-25	67.869	19.679	0.014	0.009	0.119	0.021	0.102	11.131	98.952	0.6	98.8	0.6
R0733 2-26	67.987	19.698	0.000	0.051	0.210	0.063	0.069	11.163	99.241	1.0	98.6	0.4
R0733 2-27	67.872	19.869	0.018	0.012	0.273	0.000	0.078	10.997	99.122	1.3	98.2	0.5
R0733 2-28	66.052	19.646	0.098	0.050	0.273	0.076	0.186	10.844	97.225	1.4	97.5	1.1
R0733 2-29	66.274	19.297	0.055	0.070	0.264	0.042	0.197	10.898	97.118	1.3	97.5	1.2
R0733 2-30	67.296	19.640	0.009	0.006	0.194	0.000	0.106	11.377	98.628	0.9	98.5	0.6
R0733 2-31	67.682	19.728	0.034	0.001	0.219	0.055	0.100	10.632	98.476	1.1	98.3	0.6
R0733 2-32	66.965	19.545	0.043	0.015	0.202	0.059	0.094	11.092	98.022	1.0	98.5	0.5
R0733 2-33	67.319	19.838	0.041	0.000	0.244	0.059	0.110	10.832	98.449	1.2	98.1	0.7
R0733 2-34	67.529	19.708	0.000	0.009	0.422	0.000	0.099	10.966	98.742	2.1	97.4	0.6
R0733 2-35	67.419	19.317	0.000	0.005	0.224	0.059	0.092	10.989	98.105	1.1	98.4	0.5
R0733 2-36	67.537	19.021	0.014	0.027	0.302	0.068	0.167	10.937	98.073	1.5	97.5	1.0
R0733 2-37	67.360	19.947	0.026	0.008	0.354	0.000	0.129	10.755	98.579	1.8	97.5	0.8
R0733 2-38	67.017	19.170	0.045	0.025	0.317	0.021	0.167	10.802	97.564	1.6	97.4	1.0
R0733 2-39	66.081	18.900	0.027	0.014	0.265	0.000	0.109	10.680	96.101	1.3	98.0	0.7
R0733 2-40	65.705	19.763	0.193	0.070	0.266	0.000	0.475	10.261	96.733	1.4	95.7	2.9

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R0733 2-41	67.119	19.539	0.042	0.000	0.252	0.080	0.115	10.449	97.596	1.3	98.0	0.7
R0733 2-42	67.271	19.797	0.008	0.000	0.347	0.080	0.081	11.052	98.673	1.7	97.8	0.5
R0733 2-43	68.738	19.953	0.063	0.000	0.092	0.000	0.075	11.335	100.256	0.4	99.1	0.4
R0733 2-45	67.794	19.625	0.042	0.011	0.197	0.173	0.124	10.827	98.794	1.0	98.3	0.7
R0733 1-5	67.652	19.943	0.018	0.001	0.285	0.000	0.092	10.746	98.754	1.4	98.0	0.6
R0733 1-7	67.729	19.150	0.000	0.000	0.170	0.051	0.092	10.645	97.840	0.9	98.6	0.6
R0733 1-8	67.573	19.655	0.014	0.026	0.226	0.148	0.098	10.676	98.416	1.1	98.3	0.6
R0733 1-9	67.579	19.670	0.034	0.000	0.228	0.017	0.093	10.800	98.425	1.1	98.3	0.6
R0733 1-10	67.382	20.003	0.021	0.000	0.556	0.025	0.085	10.507	98.606	2.8	96.7	0.5
R0733 1-11	66.370	19.458	0.010	0.004	0.288	0.068	0.092	10.577	96.867	1.5	98.0	0.6
R0733 1-12	67.433	19.979	0.061	0.004	0.470	0.080	0.085	10.480	98.593	2.4	97.1	0.5
R0733 1-14	66.754	19.755	0.000	0.000	0.533	0.055	0.079	10.394	97.570	2.7	96.8	0.5
R0733 1-15	66.926	19.561	0.014	0.019	0.206	0.000	0.092	10.719	97.558	1.0	98.4	0.6
R0733 1-16	67.724	19.969	0.013	0.000	0.279	0.046	0.099	10.879	99.009	1.4	98.0	0.6
R0733 1-17	67.550	20.045	0.000	0.000	0.354	0.055	0.122	10.460	98.603	1.8	97.4	0.7
R0733 1-18	67.430	19.691	0.000	0.005	0.218	0.000	0.095	10.542	97.981	1.1	98.3	0.6
R0733 1-19	67.305	19.758	0.057	0.030	0.376	0.017	0.108	10.344	97.995	2.0	97.4	0.7
R0733 1-20	67.553	19.766	0.044	0.000	0.253	0.000	0.100	10.795	98.519	1.3	98.1	0.6
R0733 1-21	67.277	19.681	0.053	0.000	0.130	0.084	0.049	10.715	97.989	0.7	99.0	0.3
R0733 1-22	66.901	19.390	0.029	0.004	0.145	0.034	0.118	10.481	97.107	0.8	98.5	0.7
R0733 1-23	67.465	19.898	0.000	0.011	0.176	0.030	0.107	10.642	98.329	0.9	98.4	0.7
R0733 1-24	67.385	19.805	0.013	0.000	0.311	0.000	0.084	10.477	98.092	1.6	97.9	0.5
R0733 1-25	67.574	20.158	0.060	0.018	0.368	0.084	0.157	10.472	98.911	1.9	97.2	1.0
R0733 1-26	66.953	19.828	0.089	0.016	0.448	0.000	0.125	10.631	98.091	2.3	97.0	0.8
R0733 1-27	67.874	19.837	0.059	0.000	0.209	0.000	0.096	10.610	98.685	1.1	98.3	0.6
R0733 1-28	67.406	19.832	0.017	0.000	0.234	0.046	0.082	10.452	98.069	1.2	98.3	0.5
R0733 1-29	67.804	19.878	0.056	0.000	0.317	0.000	0.100	10.512	98.674	1.6	97.8	0.6

R0733 1-30	67.703	19.922	0.055	0.008	0.209	0.072	0.173	10.661	98.803	1.1	97.9	1.0
R0733 1-32	67.219	19.890	0.011	0.000	0.330	0.000	0.092	10.539	98.092	1.7	97.7	0.6
R0733 1-33	69.273	20.103	0.029	0.000	0.187	0.103	0.091	10.927	100.714	0.9	98.5	0.5
R0733 1-34	66.752	19.489	0.045	0.008	0.247	0.000	0.092	10.482	97.119	1.3	98.2	0.6
R0733 1-36	67.569	19.551	0.081	0.024	0.182	0.110	0.261	10.353	98.138	0.9	97.4	1.6
R0733 1-37	65.013	18.351	0.029	0.004	0.097	0.000	0.089	10.301	93.884	0.5	98.9	0.6
R0733 1-38	67.847	19.899	0.029	0.011	0.175	0.080	0.056	10.887	98.984	0.9	98.8	0.3
R0733 1-39	67.422	20.025	0.005	0.000	0.449	0.030	0.101	10.750	98.786	2.2	97.2	0.6
R0733 1-40	67.691	19.630	0.018	0.006	0.189	0.076	0.124	10.569	98.303	1.0	98.3	0.8
R0733 1-41	67.245	19.212	0.028	0.000	0.266	0.000	0.071	10.741	97.568	1.3	98.2	0.4
R0733 1-42	67.950	19.886	0.013	0.000	0.269	0.046	0.117	10.704	98.995	1.4	97.9	0.7
R0733 1-43	67.623	19.804	0.000	0.004	0.256	0.051	0.103	10.753	98.594	1.3	98.1	0.6
R0733 1-44	67.387	19.966	0.035	0.000	0.382	0.093	0.102	10.718	98.683	1.9	97.5	0.6
R0733 1-45	67.652	20.107	0.016	0.001	0.369	0.000	0.056	10.624	98.832	1.9	97.8	0.3
R0733 1-46	67.462	19.962	0.023	0.016	0.405	0.072	0.090	10.577	98.607	2.1	97.4	0.5
R0733 1-47	67.305	19.586	0.000	0.000	0.244	0.000	0.079	10.531	97.745	1.3	98.3	0.5
R0733 1-48	67.521	20.136	0.117	0.030	0.288	0.000	0.233	10.322	98.647	1.5	97.1	1.4
R0733 1-49	67.840	19.728	0.019	0.000	0.374	0.052	0.095	10.466	98.574	1.9	97.5	0.6
R0733 1-50	66.820	20.017	0.004	0.008	0.513	0.000	0.119	10.579	98.090	2.6	96.7	0.7
R0733 1-52	67.760	19.689	0.055	0.010	0.273	0.122	0.081	10.683	98.710	1.4	98.1	0.5
R0733 1-53	67.176	19.810	0.014	0.000	0.243	0.080	0.089	10.415	97.844	1.3	98.2	0.6
R0733 1-56	67.693	19.926	0.001	0.001	0.341	0.025	0.090	10.671	98.753	1.7	97.7	0.5
W0726 1-2	65.135	21.506	0.187	0.008	2.221	0.000	0.428	10.026	99.511	10.6	86.9	2.4
W0726 1-3	65.590	21.089	0.167	0.001	2.057	0.000	0.569	9.756	99.229	10.1	86.6	3.3
W0726 1-4	65.116	21.419	0.170	0.002	2.554	0.101	0.727	9.590	99.679	12.3	83.5	4.2
W0726 1-5	64.392	22.033	0.231	0.001	2.919	0.068	0.730	9.562	99.953	13.8	82.0	4.1
W0726 1-6	65.386	22.058	0.209	0.000	3.233	0.035	0.746	9.226	100.893	15.5	80.2	4.3

W0726 1-7	63.970	22.500	0.180	0.004	3.637	0.055	0.651	8.932	99.929	17.7	78.6	3.8
W0726 1-8	63.310	22.608	0.210	0.000	3.956	0.051	0.558	8.924	99.617	19.0	77.8	3.2
W0726 1-9	64.183	23.262	0.209	0.017	4.487	0.108	0.557	8.735	101.581	21.4	75.4	3.2
W0726 1-10	62.778	23.313	0.213	0.018	4.530	0.000	0.570	8.520	99.957	22.0	74.7	3.3
W0726 1-11	62.537	23.201	0.210	0.006	4.439	0.047	0.671	7.750	98.861	23.0	72.8	4.1
W0726 1-12	62.156	23.029	0.204	0.009	3.987	0.131	1.151	8.183	98.860	19.8	73.4	6.8
W0726 1-13	62.412	22.601	0.190	0.016	3.933	0.000	1.137	8.541	98.859	19.0	74.5	6.5
W0726 1-14	64.424	21.679	0.231	0.009	2.863	0.000	0.818	8.654	98.721	14.7	80.3	5.0
W0726 1-15	64.399	21.340	0.178	0.006	2.533	0.000	0.532	9.332	98.354	12.6	84.2	3.2
W0726 1-16	64.752	21.651	0.153	0.000	2.646	0.000	0.439	9.587	99.240	12.9	84.6	2.5
W0726 1-17	64.822	21.678	0.244	0.011	2.129	0.000	0.579	9.582	99.045	10.6	86.0	3.4
W0726 1-18	65.628	21.125	0.178	0.018	1.863	0.042	0.355	10.033	99.242	9.1	88.8	2.1
W0726 1-19	65.095	20.786	0.155	0.009	2.107	0.000	0.398	9.814	98.394	10.4	87.3	2.3
W0726 1-20	65.239	21.566	0.147	0.031	2.394	0.093	0.280	9.874	99.624	11.6	86.8	1.6
W0726 1-21	64.719	21.942	0.366	0.016	2.512	0.080	0.683	9.483	99.801	12.3	83.8	4.0
W0726 1-22	64.697	21.574	0.190	0.102	2.297	0.055	0.385	9.456	98.791	11.6	86.1	2.3
W0726 1-23	66.694	20.337	0.131	0.013	0.997	0.068	0.225	10.372	98.853	5.0	93.7	1.3
W0726 1-24	64.988	21.068	0.191	0.003	2.209	0.000	1.362	9.198	99.046	10.8	81.3	7.9
W0726 1-25	64.849	21.256	0.229	0.090	2.311	0.097	0.735	9.303	98.897	11.5	84.1	4.4
W0726 1-26	64.490	21.245	0.198	0.007	2.612	0.025	0.816	8.878	98.280	13.3	81.8	4.9
W0726 1-27	64.027	21.648	0.196	0.000	2.914	0.055	1.008	9.096	98.964	14.2	80.0	5.8
W0726 1-28	64.754	21.650	0.196	0.013	2.848	0.106	1.015	8.812	99.394	14.2	79.7	6.0
W0726 1-29	64.686	21.829	0.205	0.003	2.816	0.000	1.024	8.792	99.355	14.1	79.8	6.1
W0726 1-30	64.364	21.979	0.149	0.000	3.205	0.174	1.003	9.091	99.965	15.4	78.9	5.7
W0726 1-31	63.773	21.852	0.191	0.008	3.715	0.000	0.804	8.763	99.131	18.1	77.2	4.7
W0726 1-32	62.846	22.710	0.217	0.016	4.164	0.051	0.758	8.348	99.110	20.6	74.9	4.5
W0726 1-33	62.261	23.007	0.231	0.016	4.614	0.068	0.732	8.545	99.517	22.0	73.8	4.2

W0726 1-34	61.708	23.090	0.237	0.006	4.603	0.038	0.707	8.306	98.695	22.5	73.4	4.1
W0726 1-35	61.310	23.014	0.240	0.191	4.595	0.093	0.763	8.067	98.277	22.9	72.6	4.5
W0726 1-36	61.682	23.385	0.239	0.000	4.797	0.055	0.684	8.031	98.890	23.8	72.1	4.0
W0726 1-37	61.850	23.170	0.220	0.002	4.655	0.182	0.770	7.966	98.827	23.3	72.1	4.6
W0726 1-38	62.828	22.149	0.196	0.016	4.174	0.068	0.895	8.396	98.752	20.4	74.4	5.2
W0726 1-39	62.916	22.659	0.228	0.015	4.151	0.093	0.902	8.335	99.299	20.4	74.3	5.3
W0726 1-40	62.610	22.979	0.222	0.000	4.524	0.110	0.856	8.328	99.630	21.9	73.1	4.9
W0726 1-41	63.443	23.421	0.250	0.000	4.488	0.056	0.864	8.213	100.735	22.0	72.9	5.0
W0726 1-42	62.414	23.115	0.213	0.012	4.255	0.267	0.890	8.088	99.254	21.3	73.4	5.3
W0726 1-43	61.951	23.097	0.297	0.012	4.646	0.064	0.917	8.227	99.227	22.5	72.2	5.3
W0726 1-44	61.948	23.584	0.257	0.007	5.006	0.131	0.790	7.937	99.693	24.6	70.7	4.6
W0726 1-45	63.221	22.238	0.270	0.010	3.697	0.161	1.108	8.268	98.986	18.5	74.9	6.6
W0726 1-46	63.681	22.418	0.255	0.020	3.361	0.021	1.065	8.390	99.211	17.0	76.6	6.4
W0726 1-47	60.965	24.006	0.251	0.008	5.609	0.169	0.676	7.666	99.350	27.6	68.4	4.0
W0726 1-48	59.979	24.933	0.211	0.005	6.520	0.021	0.600	7.119	99.399	32.4	64.0	3.6
W0726 1-49	59.374	24.625	0.177	0.001	6.317	0.081	0.562	7.084	98.221	31.9	64.7	3.4
W0726 1-50	59.615	25.122	0.171	0.009	6.593	0.102	0.516	7.028	99.156	33.1	63.8	3.1
W0726 1-51	59.610	25.015	0.140	0.010	6.906	0.085	0.515	7.415	99.707	33.0	64.1	2.9
W0726 1-52	59.410	25.282	0.177	0.004	6.950	0.106	0.569	6.993	99.495	34.3	62.4	3.3
W0726 1-53	59.932	24.656	0.167	0.002	6.455	0.102	0.618	7.363	99.303	31.5	64.9	3.6
W0726 1-54	60.904	24.135	0.192	0.064	5.680	0.000	0.600	7.584	99.161	28.2	68.2	3.6
W0726 1-55	61.084	24.289	0.151	0.015	5.690	0.080	0.415	8.078	99.814	27.4	70.3	2.4
W0726 1-56	60.820	24.420	0.175	0.014	5.987	0.106	0.327	7.782	99.633	29.3	68.8	1.9
W0726 1-57	62.196	23.009	0.215	0.020	4.556	0.072	0.660	8.408	99.152	22.2	74.0	3.8
W0726 1-58	62.071	22.835	0.266	0.011	4.599	0.190	0.730	8.237	98.964	22.6	73.2	4.3
W0726 1-59	61.719	23.277	0.307	0.012	4.792	0.017	0.711	8.067	98.911	23.7	72.1	4.2
W0726 1-60	61.710	22.763	0.301	0.018	4.979	0.199	0.506	8.294	98.770	24.2	72.9	2.9

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W0726 1-61	62.516	23.181	0.191	0.007	4.446	0.165	0.729	8.538	99.773	21.4	74.4	4.2
W0726 1-62	62.758	22.610	0.218	0.000	3.973	0.034	0.592	8.547	98.747	19.7	76.8	3.5
W0726 1-63	62.628	22.911	0.236	0.012	4.077	0.047	0.700	8.384	99.018	20.3	75.5	4.2
W0726 1-65	61.546	23.472	0.199	0.010	4.902	0.085	0.597	7.922	98.751	24.6	71.9	3.6
W0726 1-66	61.364	23.420	0.286	0.005	4.987	0.156	0.611	7.962	98.820	24.8	71.6	3.6
W0726 1-67	62.983	22.819	0.223	0.000	4.107	0.030	0.695	8.388	99.257	20.4	75.5	4.1
W0726 1-68	61.821	23.123	0.247	0.001	4.345	0.123	0.788	8.462	98.910	21.1	74.3	4.6
W0726 1-69	62.222	23.047	0.232	0.001	4.507	0.123	0.772	8.211	99.115	22.2	73.3	4.5
W0726 1-70	62.354	23.182	0.196	0.000	4.514	0.097	0.662	8.444	99.478	21.9	74.2	3.8
W0726 1-71	62.249	23.419	0.172	0.011	4.847	0.195	0.653	8.381	99.931	23.3	72.9	3.7
W0726 1-72	62.552	22.993	0.158	0.000	4.377	0.101	0.537	8.780	99.507	20.9	76.0	3.1
W0726 1-73	63.552	22.335	0.190	0.000	3.720	0.030	0.653	8.313	98.818	19.0	77.0	4.0
W0726 1-74	64.116	22.091	0.171	0.000	3.191	0.127	0.561	9.290	99.548	15.4	81.3	3.2
W0726 1-75	62.804	22.132	0.286	0.126	2.552	0.008	0.959	8.704	97.575	13.1	81.0	5.9
W0726 1-76	64.584	21.756	0.157	0.000	2.886	0.034	0.526	9.179	99.122	14.3	82.5	3.1
W0726 1-77	64.434	21.695	0.203	0.014	2.726	0.000	0.493	9.627	99.192	13.1	84.0	2.8
W0726 1-78	64.224	21.529	0.203	0.011	2.321	0.055	0.454	9.491	98.288	11.6	85.7	2.7
W0726 1-79	64.832	21.039	0.200	0.028	2.436	0.042	0.336	9.765	98.704	11.9	86.2	2.0
W0726 1-80	67.331	19.935	0.181	0.009	0.599	0.000	0.200	11.004	99.271	2.9	96.0	1.1
W0726 1-81	65.155	21.190	0.191	0.000	1.968	0.000	0.298	10.308	99.130	9.4	88.9	1.7
W0726 1-82	66.307	20.217	0.178	0.001	0.927	0.000	0.227	10.378	98.241	4.6	94.0	1.4
W0726 2-1	63.777	19.040	0.154	0.012	0.017	1.372	13.171	2.297	99.875	0.1	20.9	79.0
W0726 2-2	63.944	19.301	0.149	0.000	0.057	1.739	12.103	2.882	100.182	0.3	26.5	73.2
W0726 2-3	64.000	18.980	0.127	0.005	0.089	1.709	11.297	3.145	99.393	0.5	29.6	69.9
W0726 2-4	63.936	19.245	0.131	0.001	0.107	1.797	11.060	3.400	99.684	0.6	31.7	67.8
W0726 2-5	63.726	19.391	0.079	0.000	0.134	1.806	11.014	3.322	99.517	0.7	31.2	68.1
W0726 2-6	63.848	19.508	0.174	0.000	0.106	1.902	11.031	3.482	100.064	0.5	32.2	67.2

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W0726 2-7	64.007	19.425	0.128	0.002	0.088	2.016	10.520	3.661	99.888	0.5	34.4	65.1
W0726 2-8	63.955	19.444	0.107	0.023	0.149	2.084	10.461	3.942	100.187	0.8	36.1	63.1
W0726 2-9	62.205	18.623	0.150	0.022	0.077	2.288	12.644	2.258	98.295	0.4	21.3	78.3
W0726 2-10	62.896	19.428	0.109	0.008	0.108	2.000	11.625	3.243	99.485	0.5	29.6	69.8
W0726 2-11	63.732	19.488	0.127	0.002	0.153	2.101	11.253	3.396	100.314	0.8	31.2	68.0
W0726 2-12	63.473	19.261	0.145	0.014	0.148	1.975	11.302	3.149	99.474	0.8	29.5	69.7
W0726 2-13	63.161	19.357	0.146	0.000	0.104	2.126	11.505	3.117	99.555	0.5	29.0	70.5
W0726 2-14	63.909	19.220	0.153	0.000	0.039	1.995	11.229	3.118	99.713	0.2	29.6	70.2
W0726 2-15	63.720	19.303	0.142	0.016	0.122	2.222	10.997	3.620	100.181	0.6	33.1	66.2
W0726 2-16	63.748	19.190	0.120	0.001	0.133	1.881	10.413	3.909	99.438	0.7	36.1	63.2
W0726 2-25	62.999	18.963	0.120	0.001	0.110	2.380	11.397	2.059	98.092	0.6	21.4	78.0
W0726 2-30	63.199	18.967	0.175	0.020	0.053	2.214	11.763	1.935	98.375	0.3	19.9	79.8
W0726 2-32	63.307	19.236	0.112	0.002	0.158	1.842	11.587	2.444	98.694	0.9	24.1	75.1
W0726 2-33	62.970	19.205	0.130	0.000	0.071	2.204	11.891	2.241	98.757	0.4	22.2	77.4
W0726 2-35	63.521	19.261	0.150	0.000	0.117	1.783	11.168	2.519	98.549	0.7	25.4	74.0
W0726 2-36	63.229	19.312	0.141	0.002	0.142	1.800	11.813	2.230	98.714	0.8	22.1	77.1
W0726 2-37	64.206	18.914	0.113	0.020	0.060	1.602	11.865	2.090	98.879	0.3	21.0	78.6
W0726 2-38	65.189	18.860	0.122	0.011	0.033	0.017	11.926	2.714	98.921	0.2	25.7	74.2
W0726 2-39	64.242	18.243	0.113	0.000	0.000	0.102	15.087	1.150	98.962	0.0	10.4	89.6
W0726 2-40	64.007	18.835	0.102	0.009	0.055	0.369	13.655	1.781	98.851	0.3	16.5	83.2
W0726 2-41	63.790	18.863	0.143	0.003	0.046	0.996	13.099	1.836	98.801	0.2	17.5	82.2
W0726 2-42	63.893	18.844	0.162	0.020	0.307	1.265	11.572	2.573	98.646	1.6	24.8	73.5
W0726 2-43	63.847	19.215	0.119	0.004	0.059	1.591	12.468	2.119	99.473	0.3	20.5	79.2
W0726 2-44	63.548	19.458	0.115	0.003	0.103	2.113	11.793	2.335	99.475	0.6	23.0	76.4
W0726 2-45	63.725	18.791	0.151	0.000	0.121	2.113	11.446	2.397	98.768	0.7	24.0	75.3
W0726 2-46	63.718	18.941	0.061	0.000	0.097	1.860	10.996	2.568	98.241	0.5	26.1	73.4
W0726 2-47	64.573	19.368	0.099	0.004	0.099	1.645	10.878	4.070	100.773	0.5	36.1	63.4

W0726 2-48	64.669	19.027	0.108	0.015	0.113	1.392	11.200	3.311	99.858	0.6	30.8	68.6
W0726 2-49	64.257	18.940	0.095	0.004	0.131	1.100	10.747	4.292	99.586	0.6	37.5	61.8
W0726 2-50	64.610	18.804	0.153	0.006	0.124	0.796	10.789	3.085	98.367	0.7	30.1	69.2
W0726 2-51	65.745	18.997	0.090	0.000	0.126	0.288	10.169	4.866	100.282	0.6	41.9	57.5
W0726 2-52	65.199	18.336	0.104	0.004	0.116	0.157	11.351	3.982	99.251	0.6	34.6	64.9
W0726 2-53	64.912	18.405	0.131	0.018	0.063	0.008	9.404	5.574	98.515	0.3	47.3	52.5
W0726 2-54	64.776	18.912	0.122	0.043	0.081	0.114	9.884	4.349	98.306	0.4	39.9	59.7
W0726 2-55	65.230	18.336	0.094	0.022	0.069	0.098	11.212	3.992	99.053	0.3	35.0	64.7
W0726 2-56	65.388	18.761	0.136	0.041	0.081	0.187	10.803	4.304	99.701	0.4	37.6	62.0
W0726 2-57	64.476	18.588	0.082	0.005	0.040	0.000	11.553	3.313	98.057	0.2	30.3	69.5
W0726 2-58	65.787	18.815	0.115	0.014	0.064	0.000	11.524	4.105	100.425	0.3	35.0	64.7
W0726 2-59	65.277	18.853	0.130	0.009	0.077	0.051	10.990	4.242	99.651	0.4	36.8	62.8
W0726 2-60	65.057	18.702	0.112	0.028	0.066	0.000	11.582	3.932	99.479	0.3	33.9	65.8
W0726 2-61	64.885	18.634	0.157	0.000	0.095	0.161	11.630	3.725	99.308	0.5	32.6	67.0
W0726 2-62	65.005	18.865	0.127	0.006	0.076	0.004	11.320	4.127	99.530	0.4	35.5	64.1
W0726 2-63	65.343	18.809	0.151	0.000	0.107	0.165	11.891	3.736	100.224	0.5	32.2	67.3
W0726 2-64	65.072	18.517	0.141	0.009	0.012	0.110	12.722	3.011	99.630	0.1	26.4	73.5
W0726 2-65	64.793	18.706	0.129	0.000	0.012	0.030	12.397	3.126	99.193	0.1	27.7	72.3
W0726 2-66	65.489	18.705	0.118	0.022	0.076	0.000	11.897	3.335	99.642	0.4	29.8	69.9
W0726 2-67	65.497	18.880	0.166	0.003	0.059	0.144	11.203	3.811	99.776	0.3	34.0	65.7
W0726 2-68	65.495	18.770	0.121	0.000	0.079	0.000	11.164	4.026	99.677	0.4	35.3	64.3
W0726 2-69	65.381	18.804	0.143	0.010	0.067	0.000	10.396	4.623	99.437	0.3	40.2	59.5
W0726 2-70	65.547	19.063	0.166	0.016	0.095	0.089	9.350	5.507	99.850	0.4	47.0	52.5
W0726 2-71	64.488	18.521	0.186	0.004	0.061	0.013	12.128	3.737	99.138	0.3	31.8	67.9
W0726 3-1	64.521	20.767	0.091	0.009	2.163	0.055	0.643	9.632	97.894	10.6	85.6	3.8
W0726 3-2	66.420	21.826	0.175	0.018	2.507	0.009	0.794	9.610	101.372	12.0	83.4	4.5
W0726 3-3	65.124	21.570	0.212	0.010	2.489	0.084	0.950	9.357	99.796	12.1	82.4	5.5

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W0726 3-4	65.413	20.774	0.219	0.008	2.105	0.000	1.001	9.088	98.608	10.7	83.3	6.0
W0726 3-5	64.716	21.399	0.205	0.000	2.357	0.034	0.774	9.520	99.005	11.5	84.0	4.5
W0726 3-6	63.475	21.675	0.179	0.017	2.709	0.000	0.718	9.543	98.316	13.0	82.9	4.1
W0726 3-7	64.174	22.015	0.211	0.014	3.027	0.021	0.798	9.236	99.509	14.6	80.8	4.6
W0726 3-8	63.888	21.772	0.202	0.009	3.011	0.000	0.839	9.261	99.010	14.5	80.7	4.8
W0726 3-9	63.571	21.365	0.191	0.013	3.273	0.000	0.921	8.972	98.313	15.9	78.8	5.3
W0726 3-10	63.469	22.191	0.213	0.016	3.668	0.021	0.922	8.823	99.323	17.7	77.0	5.3
W0726 3-11	63.189	21.695	0.226	0.001	3.958	0.114	0.877	8.892	98.978	18.8	76.3	5.0
W0726 3-12	62.718	23.121	0.217	0.012	4.452	0.059	0.689	8.453	99.721	21.6	74.4	4.0
W0726 3-13	62.879	22.812	0.166	0.009	4.076	0.000	1.902	8.049	99.893	19.5	69.7	10.8
W0726 3-14	61.856	23.110	0.252	0.005	4.685	0.038	0.720	8.584	99.253	22.2	73.7	4.1
W0726 3-15	61.869	22.719	0.209	0.024	4.335	0.008	0.798	8.216	98.198	21.5	73.8	4.7
W0726 3-16	62.393	23.586	0.207	0.009	4.899	0.186	0.723	8.140	100.166	23.9	71.9	4.2
W0726 3-17	61.248	23.504	0.238	0.014	4.974	0.182	0.664	8.242	99.096	24.1	72.1	3.8
W0726 3-18	62.194	23.493	0.216	0.005	4.812	0.211	0.751	8.161	99.870	23.5	72.1	4.4
W0726 3-19	61.952	22.366	0.282	0.015	4.367	0.123	0.711	8.078	97.896	22.0	73.7	4.3
W0726 3-20	61.036	22.992	0.248	0.028	4.743	0.215	0.725	8.100	98.097	23.4	72.3	4.3
W0726 3-22	57.133	24.785	0.666	0.572	2.585	0.177	3.625	6.109	95.669	14.4	61.6	24.0
W0726 3-23	61.679	23.336	0.242	0.019	4.785	0.097	0.751	8.093	99.002	23.5	72.1	4.4
W0726 3-24	61.328	23.446	0.259	0.008	5.272	0.215	0.731	7.470	98.747	26.8	68.8	4.4
W0726 3-25	61.694	23.390	0.248	0.043	4.486	0.274	1.339	7.612	99.111	22.6	69.4	8.0
W0726 3-26	61.643	23.774	0.292	0.000	5.121	0.085	0.692	7.797	99.421	25.5	70.4	4.1
W0726 3-27	62.423	23.250	0.260	0.006	4.503	0.110	0.734	8.146	99.443	22.4	73.3	4.3
W0726 3-28	61.921	23.403	0.280	0.093	4.709	0.194	0.626	8.384	99.610	22.8	73.6	3.6
W0726 3-29	60.994	24.287	0.265	0.005	5.579	0.186	0.537	7.910	99.802	27.2	69.7	3.1
W0726 3-30	61.078	23.719	0.212	0.000	5.085	0.000	0.412	7.859	98.387	25.7	71.8	2.5
W0726 3-31	60.785	23.468	0.250	0.033	5.168	0.000	0.304	8.428	98.448	24.9	73.4	1.7

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W0726 3-32	61.968	23.465	0.253	0.029	4.619	0.025	0.411	7.727	98.517	24.2	73.2	2.6
W0726 3-33	62.297	23.342	0.223	0.011	4.444	0.106	0.442	8.700	99.610	21.5	76.0	2.5
W0726 3-34	62.553	23.247	0.288	0.007	4.281	0.030	0.379	8.854	99.639	20.6	77.2	2.2
W0726 3-35	61.833	23.483	0.250	0.000	4.778	0.135	0.288	8.110	98.910	24.1	74.1	1.7
W0726 3-36	60.035	22.675	0.253	0.047	4.679	2.211	0.346	7.552	97.838	24.9	72.9	2.2
W0726 3-37	59.479	23.465	0.205	0.045	4.839	2.174	0.377	7.891	98.510	24.7	73.0	2.3
W0726 3-38	64.630	21.440	0.127	0.086	1.906	0.097	0.460	9.851	98.599	9.4	87.9	2.7
W0726 3-39	62.136	23.145	0.222	0.025	4.196	0.127	0.295	8.695	98.869	20.7	77.6	1.7
W0726 4-1	66.249	20.929	0.092	0.018	1.622	0.038	0.232	10.494	99.691	7.8	90.9	1.3
W0726 4-2	65.108	21.371	0.200	0.031	2.208	0.000	0.588	9.834	99.370	10.7	86.0	3.4
W0726 4-3	64.335	21.123	0.183	0.214	2.216	0.000	0.755	9.211	98.037	11.2	84.3	4.5
W0726 4-4	64.151	21.282	0.185	0.014	2.709	0.000	0.807	9.239	98.402	13.3	82.0	4.7
W0726 4-5	65.785	22.206	0.190	0.000	3.221	0.095	0.838	8.973	101.312	15.7	79.4	4.9
W0726 4-6	64.359	21.776	0.187	0.005	2.955	0.034	0.739	8.923	98.978	14.8	80.8	4.4
W0726 4-7	64.086	22.239	0.204	0.018	2.785	0.008	0.593	9.292	99.225	13.7	82.8	3.5
W0726 4-8	63.763	21.988	0.182	0.010	2.976	0.000	0.556	8.962	98.437	15.0	81.7	3.3
W0726 4-9	64.095	21.731	0.215	0.023	3.001	0.000	0.720	9.132	98.947	14.7	81.1	4.2
W0726 4-10	64.472	21.653	0.174	0.007	2.947	0.131	0.556	9.368	99.335	14.3	82.4	3.2
W0726 4-11	65.106	21.389	0.146	0.000	2.573	0.063	0.673	9.081	99.040	13.0	83.0	4.0
W0726 4-12	64.825	21.849	0.198	0.000	2.738	0.025	0.676	9.693	100.046	13.0	83.2	3.8
W0726 4-13	64.547	21.933	0.160	0.000	2.963	0.000	0.695	9.274	99.584	14.4	81.6	4.0
W0726 4-14	64.341	22.021	0.198	0.000	3.028	0.000	0.599	9.332	99.519	14.7	81.9	3.5
W0726 4-15	64.087	22.306	0.231	0.001	3.362	0.101	0.639	9.345	100.093	16.0	80.4	3.6
W0726 4-16	63.866	22.414	0.180	0.007	3.484	0.013	0.686	9.350	100.000	16.4	79.7	3.8
W0726 4-17	62.920	22.563	0.232	0.250	3.874	0.110	0.602	8.934	99.498	18.7	77.9	3.5
W0726 4-18	63.499	22.817	0.216	0.002	3.807	0.030	0.727	8.840	99.944	18.4	77.4	4.2
W0726 4-19	63.564	22.011	0.206	0.015	3.919	0.085	0.773	8.672	99.262	19.1	76.4	4.5

W0726 4-20	63.502	22.735	0.163	0.015	3.983	0.047	0.737	8.835	100.035	19.1	76.7	4.2
W0726 4-21	62.618	22.810	0.201	0.205	4.055	0.097	0.596	8.495	99.100	20.1	76.3	3.5
W0726 4-22	63.040	23.140	0.186	0.001	4.402	0.000	0.692	8.626	100.099	21.1	74.9	4.0
W0726 4-24	63.158	22.737	0.265	0.001	4.273	0.034	0.688	8.669	99.832	20.6	75.5	3.9
W0726 4-25	62.985	23.173	0.176	0.000	4.379	0.144	0.672	8.505	100.040	21.3	74.8	3.9
W0726 4-26	61.012	23.318	0.332	0.384	4.476	0.042	0.605	7.608	97.777	23.6	72.6	3.8
W0726 4-27	62.457	23.517	0.280	0.008	4.842	0.076	0.647	8.043	99.870	24.0	72.2	3.8
W0726 4-28	61.999	23.191	0.228	0.000	4.795	0.038	0.695	8.465	99.411	22.9	73.2	4.0
W0726 4-29	61.273	22.726	0.176	0.064	4.408	0.017	0.637	8.252	97.563	21.9	74.3	3.8
W0726 4-30	62.777	22.905	0.189	0.000	4.331	0.131	0.719	8.552	99.604	21.0	74.9	4.1
W0726 4-31	61.939	22.570	0.192	0.124	4.019	0.021	1.207	8.235	98.312	19.7	73.2	7.1
W0726 4-32	63.415	22.405	0.206	0.080	3.444	0.135	0.669	9.069	99.440	16.7	79.5	3.9
W0726 4-33	64.228	21.651	0.217	0.009	3.076	0.114	0.426	9.162	98.902	15.3	82.2	2.5
W0726 4-34	64.832	21.852	0.170	0.021	2.631	0.086	0.772	8.948	99.312	13.3	82.0	4.7
W0726 4-35	64.722	21.515	0.214	0.009	2.712	0.118	0.618	9.605	99.513	13.0	83.4	3.5
W0726 4-36	64.957	21.433	0.180	0.004	2.449	0.038	0.749	9.686	99.516	11.7	84.0	4.3
W0726 5-1	67.097	19.582	0.169	0.005	1.554	0.119	0.175	10.440	99.188	7.5	91.5	1.0
W0726 5-2	67.834	20.294	0.159	0.002	1.786	0.072	0.147	10.052	100.360	8.9	90.3	0.9
W0726 5-3	65.176	21.556	0.197	0.014	2.334	0.047	0.335	10.034	99.702	11.2	86.9	1.9
W0726 5-4	63.579	21.989	0.269	0.300	1.680	0.000	1.168	9.150	98.144	8.6	84.4	7.1
W0726 5-5	64.895	21.456	0.196	0.019	2.418	0.093	0.560	9.881	99.525	11.5	85.3	3.2
W0726 5-6	65.121	21.423	0.166	0.024	2.509	0.080	0.539	9.583	99.445	12.2	84.6	3.1
W0726 5-7	66.354	21.315	0.153	0.000	2.132	0.000	0.715	9.798	100.471	10.3	85.6	4.1
W0726 5-8	65.704	21.313	0.188	0.016	2.119	0.047	0.590	9.752	99.748	10.4	86.2	3.4
W0726 5-9	65.276	21.307	0.219	0.011	2.168	0.106	0.738	9.287	99.115	10.9	84.7	4.4
W0726 5-10	65.867	21.202	0.219	0.003	2.196	0.064	0.876	9.616	100.066	10.6	84.3	5.1
W0726 5-11	66.846	21.644	0.163	0.000	1.995	0.000	0.790	10.015	101.453	9.5	86.1	4.5

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W0726 5-12	65.673	21.294	0.178	0.007	2.053	0.000	1.020	9.436	99.661	10.1	83.9	6.0
W0726 5-13	65.770	20.903	0.186	0.004	2.214	0.000	0.679	10.083	99.839	10.4	85.8	3.8
W0726 5-14	65.239	20.891	0.170	0.020	1.803	0.106	1.581	8.515	98.325	9.4	80.7	9.9
W0726 5-15	65.167	21.308	0.180	0.003	2.368	0.000	0.767	9.886	99.699	11.2	84.5	4.3
W0726 5-16	65.563	21.038	0.202	0.023	2.159	0.000	0.727	9.845	99.557	10.4	85.5	4.2
W0726 5-17	65.825	21.280	0.162	0.000	2.080	0.081	0.744	9.731	99.915	10.1	85.6	4.3
W0726 5-18	66.067	21.205	0.196	0.008	2.060	0.076	0.633	10.133	100.378	9.7	86.7	3.6
W0726 5-19	65.099	21.322	0.192	0.007	2.168	0.055	0.614	9.998	99.458	10.3	86.2	3.5
W0726 5-20	65.569	21.056	0.204	0.008	1.972	0.000	0.474	9.891	99.174	9.6	87.6	2.8
W0726 5-21	65.323	21.228	0.151	0.008	2.039	0.008	0.436	10.070	99.263	9.8	87.7	2.5
W0726 5-22	65.769	20.600	0.135	0.056	1.464	0.008	0.223	10.235	98.490	7.2	91.5	1.3
W0726 5-23	65.127	21.480	0.128	0.000	2.038	0.072	0.340	10.373	99.558	9.6	88.5	1.9
W0726 6-1	66.377	20.115	0.163	0.028	0.749	0.110	0.153	10.395	98.112	3.8	95.3	0.9
W0726 6-2	65.618	21.120	0.176	0.020	1.865	0.025	0.228	10.486	99.555	8.8	89.9	1.3
W0726 6-3	64.942	21.078	0.193	0.005	2.493	0.017	0.420	9.852	99.015	12.0	85.6	2.4
W0726 6-4	64.305	21.870	0.193	0.000	3.008	0.068	0.558	9.373	99.391	14.6	82.2	3.2
W0726 6-5	63.614	22.727	0.204	0.016	3.669	0.144	0.623	9.144	100.149	17.5	79.0	3.5
W0726 6-6	61.685	23.586	0.235	0.000	4.761	0.021	0.491	8.424	99.226	23.1	74.0	2.8
W0726 6-7	62.336	23.263	0.268	0.013	4.488	0.009	0.370	8.753	99.514	21.6	76.3	2.1
W0726 6-8	63.081	22.195	0.188	0.069	3.305	0.064	0.280	8.961	98.157	16.6	81.7	1.7
W0726 6-9	62.526	22.990	0.154	0.037	4.206	0.000	0.321	8.797	99.077	20.5	77.6	1.9
W0726 6-10	62.134	23.740	0.241	0.019	4.840	0.106	0.302	8.586	99.969	23.3	74.9	1.7
W0726 6-11	61.776	23.961	0.248	0.003	4.848	0.110	0.372	8.655	99.977	23.1	74.7	2.1
W0726 6-12	62.391	23.019	0.205	0.021	4.262	0.013	0.326	8.867	99.127	20.6	77.5	1.9
W0726 6-13	64.280	22.621	0.212	0.010	3.464	0.000	0.386	9.293	100.266	16.7	81.1	2.2
W0726 6-14	62.872	22.775	0.242	0.007	4.311	0.025	0.398	8.228	98.888	21.9	75.7	2.4
W0726 6-15	62.320	23.263	0.209	0.017	4.360	0.000	0.485	8.293	98.947	21.9	75.2	2.9

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W0726 6-16	55.798	27.760	0.250	0.019	9.768	0.183	0.206	5.845	99.829	47.4	51.4	1.2
W0726 6-17	60.906	24.723	0.213	0.000	5.840	0.136	0.402	7.984	100.204	28.1	69.6	2.3
W0726 6-18	57.039	25.214	0.240	0.024	7.407	0.089	0.360	7.043	97.425	36.0	61.9	2.1
W0726 6-19	57.383	25.686	0.235	0.181	7.550	0.127	0.330	6.078	97.595	39.9	58.1	2.1
W0726 6-20	58.726	25.850	0.310	0.047	6.720	0.000	0.613	6.933	99.199	33.6	62.7	3.7
W0726 6-21	59.082	25.560	0.265	0.031	6.617	0.102	0.388	7.013	99.058	33.5	64.2	2.3
W0726 6-22	61.093	24.314	0.254	0.007	5.686	0.140	0.419	7.710	99.623	28.2	69.3	2.5
W0726 6-23	57.202	26.653	0.266	0.010	8.540	0.000	0.327	6.542	99.540	41.1	57.0	1.9
W0726 6-24	57.228	26.459	0.253	0.006	8.336	0.102	0.297	6.485	99.197	40.8	57.5	1.7
W0726 6-25	58.561	25.214	0.279	0.010	7.116	0.000	0.419	7.491	99.110	33.6	64.0	2.4
W0726 6-26	58.659	25.486	0.317	0.017	7.245	0.293	0.413	6.953	99.392	35.7	61.9	2.4
W0726 6-27	57.067	26.515	0.250	0.005	8.659	0.140	0.302	6.581	99.532	41.4	56.9	1.7
W0726 6-28	58.354	25.701	0.262	0.000	7.150	0.123	0.357	7.051	99.012	35.2	62.7	2.1
W0726 6-29	60.885	23.038	0.258	0.008	4.674	0.119	0.566	8.234	97.782	23.1	73.6	3.3
W0726 6-30	59.250	24.994	0.409	0.550	3.831	0.178	1.739	6.848	97.799	20.9	67.7	11.3
W0726 6-31	62.738	23.466	0.268	0.000	4.359	0.119	0.545	8.664	100.159	21.1	75.8	3.1
W0726 6-32	61.832	23.392	0.188	0.010	4.553	0.042	0.521	8.406	98.958	22.3	74.6	3.0
W0726 6-33	62.635	23.216	0.226	0.000	4.626	0.136	0.524	7.883	99.246	23.7	73.1	3.2
W0726 6-34	63.244	22.223	0.215	0.014	3.523	0.008	0.384	9.148	98.786	17.2	80.6	2.2
W0726 6-35	65.087	21.732	0.164	0.003	2.648	0.114	0.914	9.161	99.826	13.0	81.6	5.4
W0726 6-36	65.446	21.423	0.223	0.007	2.180	0.093	0.425	9.529	99.326	10.9	86.5	2.5
W0726 6-37	66.703	20.485	0.143	0.011	1.088	0.068	0.182	10.688	99.368	5.3	93.7	1.0
W0726 6-38	63.886	21.593	0.279	0.065	2.911	0.042	0.673	9.179	98.644	14.3	81.7	3.9
W0726 6-39	63.521	21.160	0.197	0.036	2.473	0.000	1.232	8.803	97.422	12.4	80.2	7.4
W0726 6-40	64.537	21.823	0.210	0.041	2.462	0.093	1.213	8.805	99.184	12.4	80.3	7.3
RRP-1-1	56.905	27.216	0.378	0.018	9.257	0.103	0.467	5.931	100.275	3.1	79.4	17.5
RRP-1-2	56.767	27.685	0.383	0.010	9.752	0.082	0.387	5.689	100.755	2.1	80.8	17.1

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RRP-1-3	56.701	26.833	0.384	0.002	9.812	0.000	0.429	5.437	99.598	0.5	99.5	0.0
RRP-1-4	55.898	28.109	0.458	0.062	9.556	0.159	0.853	5.259	100.354	5.8	79.4	14.8
RRP-1-5	54.380	29.299	0.432	0.044	11.119	0.000	0.455	4.878	100.607	8.8	91.2	0.0
RRP-1-6	54.951	29.029	0.422	0.054	10.893	0.202	0.590	4.993	101.134	6.4	69.7	23.9
RRP-1-7	55.091	28.990	0.421	0.010	11.235	0.056	0.334	4.850	100.987	2.5	83.5	14.0
RRP-1-8	55.168	28.943	0.441	0.020	11.197	0.078	0.303	5.108	101.258	5.0	75.6	19.5
RRP-1-9	57.616	26.943	0.402	0.012	8.794	0.232	0.468	6.307	100.774	1.7	65.7	32.6
RRP-1-10	57.875	26.993	0.291	0.020	8.849	0.134	0.515	6.163	100.840	3.0	77.0	20.0
RRP-1-11	58.116	26.812	0.354	0.003	8.830	0.112	0.476	6.134	100.837	0.5	80.5	19.0
RRP-1-12	57.293	26.792	0.416	0.021	7.875	0.120	0.692	6.038	99.247	2.5	83.1	14.4
RRP-1-13	57.853	26.007	0.305	0.008	8.670	0.090	0.453	6.490	99.876	1.5	82.2	16.3
RRP-1-14	56.504	27.686	0.283	0.013	9.416	0.095	0.417	5.918	100.332	2.5	79.4	18.1
RRP-1-15	57.625	27.074	0.354	0.015	8.943	0.138	0.392	6.085	100.626	2.8	71.9	25.3
RRP-1-16	56.040	28.313	0.318	0.022	10.017	0.306	0.305	5.393	100.714	3.5	48.2	48.3
RRP-1-17	55.245	29.147	0.325	0.000	11.034	0.289	0.361	5.078	101.479	0.0	55.5	44.5
RRP-1-18	57.744	26.913	0.340	0.044	8.379	0.211	0.824	5.672	100.127	4.1	76.4	19.6
RRP-1-19	64.543	19.144	0.053	0.013	0.003	0.674	17.030	0.208	101.668	0.1	96.1	3.8
RRP-1-20	58.247	26.848	0.365	0.017	8.595	0.215	0.541	6.301	101.129	2.2	70.0	27.8
RRP-1-22	57.566	26.397	0.347	0.084	8.331	0.026	1.071	5.838	99.660	7.1	90.7	2.2
RRP-1-23	57.331	27.021	0.375	0.093	7.052	0.069	3.408	4.735	100.084	2.6	95.5	1.9
RRP-1-24	56.345	27.845	0.349	0.045	9.079	0.004	0.909	5.560	100.136	4.7	94.9	0.4
RRP-1-25	55.878	28.529	0.423	0.041	9.542	0.056	1.342	4.978	100.789	2.8	93.3	3.9
RRP-1-26	58.055	26.631	0.358	0.181	1.727	0.318	8.517	3.821	99.608	2.0	94.5	3.5
RRP-1-27	55.230	28.840	0.329	0.029	10.570	0.104	0.560	4.755	100.417	4.2	80.8	15.0
RRP-1-28	55.391	28.929	0.367	0.023	11.000	0.108	0.345	4.670	100.833	4.8	72.5	22.7
RRP-1-29	55.017	27.805	0.546	0.613	8.681	0.047	2.149	4.512	99.370	21.8	76.5	1.7
RRP-1-30	57.625	27.286	0.377	0.011	8.632	0.129	0.506	5.733	100.299	1.7	78.3	20.0

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RRP-1-30	57.870	27.039	0.413	0.020	8.601	0.185	0.565	6.022	100.715	2.6	73.4	24.0
RRP-1-31	58.072	26.050	0.363	0.018	8.054	0.000	0.655	6.339	99.551	2.7	97.3	0.0
RRP-1-32	57.902	26.681	0.406	0.018	8.636	0.137	0.621	6.154	100.555	2.3	80.0	17.7
RRP-1-33	57.228	25.251	0.411	0.009	8.857	0.116	0.551	5.966	98.389	1.3	81.5	17.2
RRP-1-35	55.548	28.200	0.393	0.007	10.611	0.103	0.364	5.413	100.639	1.5	76.8	21.7
RRP-1-36	55.411	28.457	0.434	0.028	10.123	0.125	0.643	5.252	100.473	3.5	80.8	15.7
RRP-1-37	55.117	28.647	0.373	0.011	10.611	0.099	0.380	5.069	100.307	2.2	77.6	20.2
RRP-1-38	54.705	29.041	0.385	0.019	11.198	0.198	0.347	5.043	100.936	3.4	61.5	35.1
RRP-1-39	54.610	29.476	0.463	0.001	11.395	0.241	0.319	4.602	101.107	0.2	56.9	43.0
RRP-1-40	54.004	29.504	0.423	0.021	11.904	0.000	0.338	4.308	100.502	5.8	94.2	0.0
RRP-1-41	53.848	29.562	0.455	0.017	11.750	0.013	0.299	4.416	100.360	5.2	90.9	4.0
RRP-1-42	54.217	28.656	0.443	0.146	9.615	0.052	1.389	4.610	99.128	9.2	87.5	3.3
RRP-1-43	56.133	28.064	0.345	0.000	10.277	0.065	0.450	5.339	100.673	0.0	87.4	12.6
RRP-1-44	54.707	28.921	0.345	0.037	10.868	0.108	0.498	4.543	100.027	5.8	77.4	16.8
RRP-1-45	56.585	27.686	0.328	0.018	9.972	0.060	0.728	5.503	100.880	2.2	90.3	7.4
RRP-1-47	56.683	27.763	0.325	0.059	9.090	0.112	0.819	5.334	100.185	6.0	82.7	11.3
RRP-1-49	56.984	27.770	0.419	0.017	9.545	0.082	0.515	5.767	101.099	2.8	83.9	13.4
RRP-1-51	59.190	26.058	0.310	0.026	7.876	0.206	0.773	6.391	100.830	2.6	76.9	20.5
RRP-1-52	54.819	28.105	0.319	0.032	9.988	0.077	0.529	5.049	98.918	5.0	82.9	12.1
RRP-1-53	56.970	27.910	0.762	0.348	3.830	0.116	4.292	4.593	98.821	7.3	90.2	2.4
RRP-1-54	57.668	27.232	0.377	0.018	9.479	0.132	0.515	5.799	101.220	2.7	77.4	19.8
RRP-1-55	57.695	27.143	0.358	0.018	8.947	0.110	0.495	5.741	100.507	2.9	79.5	17.7
RRP-1-57	56.025	28.689	0.382	0.021	10.674	0.159	0.339	5.076	101.365	4.0	65.3	30.6
RRP-1-58	58.003	27.078	0.353	0.022	8.956	0.106	0.515	5.941	100.974	3.4	80.1	16.5
RRP-1-59	58.493	26.933	0.328	0.019	8.410	0.204	0.529	6.057	100.973	2.5	70.3	27.1
RRP-1-60	60.550	25.419	0.350	0.012	6.777	0.146	0.768	6.842	100.864	1.3	82.9	15.8
RRP-1-61	60.268	24.788	0.331	0.033	5.560	0.253	2.252	5.999	99.484	1.3	88.7	10.0

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RRP-1-62	60.911	25.210	0.343	0.017	6.440	0.248	0.744	6.864	100.777	1.7	73.7	24.6
RRP-1-63	57.971	27.076	0.327	0.021	8.973	0.129	0.460	5.970	100.927	3.4	75.4	21.1
RRP-1-64	59.503	25.887	0.334	0.027	7.636	0.266	0.584	6.257	100.494	3.1	66.6	30.3
RRP-1-65	60.566	25.037	0.295	0.020	6.776	0.044	0.750	6.989	100.477	2.5	92.1	5.4
RRP-1-66	60.973	25.123	0.402	0.018	6.801	0.222	0.732	6.710	100.981	1.9	75.3	22.8
RRP-1-67	60.463	25.075	0.389	0.012	6.898	0.085	0.824	6.676	100.422	1.3	89.5	9.2
RRP-1-68	60.251	25.398	0.401	0.005	6.875	0.178	0.791	6.495	100.394	0.5	81.2	18.3
RRP-1-69	59.762	25.168	0.293	0.026	7.079	0.160	0.594	6.777	99.859	3.3	76.2	20.5
RRP-1-70	61.083	24.833	0.372	0.008	6.526	0.138	0.934	7.248	101.142	0.7	86.5	12.8
RRP-1-71	60.858	25.087	0.348	0.028	6.437	0.214	0.919	6.672	100.563	2.4	79.2	18.4
RRP-1-73	60.993	24.731	0.363	0.019	6.417	0.067	0.931	6.750	100.271	1.9	91.5	6.6
RRP-1-75	59.463	25.859	0.327	0.014	7.568	0.062	0.704	6.477	100.474	1.8	90.3	7.9
RRP-1-76	59.805	25.147	0.327	0.007	6.363	0.036	0.910	6.848	99.443	0.7	95.5	3.8
RRP-1-78	59.945	25.642	0.355	0.068	5.807	0.236	2.154	6.136	100.343	2.8	87.6	9.6
RRP-1-79	58.285	26.336	0.405	0.012	8.627	0.196	0.594	6.178	100.633	1.5	74.1	24.4
RRP-1-80	57.809	27.035	0.337	0.012	8.861	0.000	0.571	6.009	100.634	2.1	97.9	0.0
RRP-1-81	57.988	27.058	0.340	0.024	8.789	0.018	0.490	6.051	100.758	4.5	92.1	3.4
RRP-1-82	58.125	26.848	0.368	0.000	8.824	0.147	0.494	6.198	101.004	0.0	77.1	22.9
RRP-1-83	57.690	27.003	0.378	0.000	8.491	0.143	0.533	5.986	100.224	0.0	78.8	21.2
RRP-1-84	58.429	26.906	0.376	0.048	5.741	0.076	3.875	4.835	100.286	1.2	96.9	1.9
RRP-1-85	58.732	26.919	0.375	0.015	8.500	0.375	0.533	5.931	101.380	1.6	57.7	40.6
RRP-1-86	58.037	26.859	0.331	0.032	9.162	0.201	0.546	6.008	101.176	4.1	70.1	25.8
RRP-1-87	57.287	27.294	0.330	0.009	9.568	0.067	0.483	5.774	100.812	1.6	86.4	12.0
RRP-1-88	55.289	28.689	0.373	0.012	10.837	0.018	0.343	5.044	100.605	3.2	92.0	4.8
RRP-1-89	54.562	28.783	0.422	0.015	11.822	0.192	0.303	4.673	100.772	2.9	59.4	37.6
RRP-1-90	54.123	29.669	0.363	0.012	11.741	0.000	0.284	4.451	100.643	4.1	95.9	0.0
RRP-1-91	54.939	28.763	0.366	0.023	10.977	0.219	0.375	4.783	100.445	3.7	60.8	35.5

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RRP-1-92	55.109	28.060	0.408	0.011	10.427	0.000	0.417	5.092	99.524	2.6	97.4	0.0
RRP-1-93	55.034	29.101	0.375	0.010	11.053	0.116	0.321	4.821	100.831	2.2	71.8	26.0
RRP-1-94	56.931	26.468	0.297	0.001	9.078	0.112	1.230	5.516	99.633	0.1	91.6	8.3
RRP-1-95	59.295	23.727	0.224	0.014	0.121	0.479	14.381	0.273	98.514	0.1	96.7	3.2
RRP-1-96	56.564	27.699	0.411	0.020	9.686	0.089	0.399	5.484	100.352	3.9	78.5	17.5
RRP-1-97	57.387	27.014	0.367	0.022	8.752	0.076	0.409	6.052	100.079	4.3	80.7	15.0
RRP-1-98	57.998	26.868	0.374	0.023	8.620	0.232	0.394	6.223	100.732	3.5	60.7	35.7
RRP-1-99	57.370	26.797	0.409	0.012	8.764	0.107	0.462	5.789	99.710	2.1	79.5	18.4
RRP-1-100	57.477	27.154	0.379	0.033	9.264	0.045	0.460	5.720	100.532	6.1	85.5	8.4
RRP-1-101	57.641	26.953	0.369	0.018	8.941	0.170	0.463	5.958	100.513	2.8	71.1	26.1
RRP-1-102	59.375	27.515	0.432	0.100	1.442	0.250	6.624	4.396	100.134	1.4	95.0	3.6
RRP-1-103	57.814	25.869	0.409	0.031	7.843	0.170	1.357	5.658	99.151	2.0	87.1	10.9
RRP-1-104	58.507	25.712	0.399	0.005	7.677	0.045	0.588	6.894	99.827	0.8	92.2	7.1
RRP-1-105	60.879	24.995	0.387	0.017	6.705	0.027	0.738	6.748	100.496	2.2	94.4	3.5
RRP-1-106	64.124	23.615	0.157	0.072	2.966	0.000	1.383	8.822	101.139	4.9	95.1	0.0
RRP-1-107	61.002	24.745	0.553	0.220	3.696	0.192	2.885	6.719	100.012	6.7	87.5	5.8
RRP-1-108	62.422	23.747	0.210	0.121	4.173	0.129	1.740	7.441	99.983	6.1	87.4	6.5
RRP-1-109	61.600	23.838	0.353	0.039	5.854	0.201	0.648	7.492	100.025	4.4	73.0	22.6
RRP-1-111	68.148	21.166	0.040	0.020	0.383	0.000	0.406	10.826	100.989	4.7	95.3	0.0
RRP-1-113	67.729	21.033	0.011	0.013	0.485	0.138	1.353	10.117	100.879	0.9	90.0	9.2
RRP-2-3	67.183	19.799	0.052	0.002	0.129	0.371	9.448	4.879	101.863	0.0	96.2	3.8
RRP-2-4	66.414	22.552	0.109	0.119	0.456	0.102	2.676	9.405	101.833	4.1	92.4	3.5
RRP-2-5	68.536	19.302	0.004	0.000	0.169	0.000	0.121	11.330	99.462	0.0	100.0	0.0
RRP-2-6	67.343	19.731	0.049	0.002	0.182	0.232	3.808	9.137	100.484	0.0	94.2	5.7
RRP-2-7	69.824	20.239	0.011	0.004	0.083	0.004	0.096	11.319	101.580	3.8	92.3	3.8
RRP-2-8	68.097	19.951	0.080	0.153	0.423	0.107	0.135	10.699	99.645	38.7	34.2	27.1
RRP-2-9	68.441	19.998	0.048	0.012	0.316	0.000	0.251	11.358	100.424	4.6	95.4	0.0

RRP-2-10	68.262	19.954	0.039	0.036	0.461	0.062	0.271	11.030	100.115	9.8	73.4	16.8
RRP-2-11	68.279	21.199	0.053	0.023	0.629	0.000	0.290	11.007	101.480	7.3	92.7	0.0
RRP-3-3	63.106	24.816	0.450	0.622	0.442	0.000	3.607	6.864	99.907	14.7	85.3	0.0
RRP-3-4	67.821	21.375	0.030	0.006	0.848	0.000	0.353	10.528	100.961	1.7	98.3	0.0
RRP-3-5	67.402	21.136	0.030	0.000	1.049	0.000	0.289	10.977	100.883	0.0	100.0	0.0
RRP-3-6	67.360	22.002	0.000	0.000	1.654	0.000	0.334	10.499	101.849	0.0	100.0	0.0
RRP-3-7	63.193	22.912	0.346	0.025	2.788	0.094	1.120	8.661	99.139	2.0	90.4	7.6
RRP-3-8	64.433	23.193	0.235	0.014	3.878	0.031	0.472	9.085	101.341	2.7	91.3	6.0
RRP-3-9	65.789	22.813	0.210	0.036	1.714	0.129	0.919	9.168	100.778	3.3	84.8	11.9
RRP-3-10	64.534	23.104	0.174	0.002	3.816	0.000	0.560	8.917	101.107	0.4	99.6	0.0
RRP-3-11	64.704	22.465	0.160	0.008	3.641	0.129	1.025	8.996	101.128	0.7	88.2	11.1
RRP-3-12	64.575	22.818	0.114	0.009	3.796	0.049	1.054	8.827	101.242	0.8	94.8	4.4
RRP-3-13	64.711	22.680	0.141	0.009	3.660	0.036	1.205	8.696	101.138	0.7	96.4	2.9
RRP-3-14	63.357	22.074	0.104	0.012	3.666	0.000	0.944	8.282	98.439	1.3	98.7	0.0
RRP-3-15	64.504	22.779	0.168	0.000	3.596	0.000	1.222	8.517	100.786	0.0	100.0	0.0
RRP-3-16	64.811	21.805	0.212	0.015	3.757	0.107	0.878	8.747	100.332	1.5	87.8	10.7
RRP-3-17	63.802	22.893	0.172	0.005	3.620	0.085	1.589	8.251	100.417	0.3	94.6	5.1
RRP-3-18	64.567	22.933	0.104	0.000	3.679	0.236	1.155	8.616	101.290	0.0	83.0	17.0
RRP-3-19	64.468	23.135	0.072	0.004	3.885	0.107	0.452	9.098	101.221	0.7	80.3	19.0
RRP-3-20	64.831	22.797	0.172	0.009	3.533	0.156	1.353	8.115	100.966	0.6	89.1	10.3
RRP-3-21	63.871	22.522	0.115	0.000	3.887	0.085	1.682	8.254	100.416	0.0	95.2	4.8
RRP-3-22	65.021	22.693	0.177	0.007	3.836	0.013	1.743	8.167	101.657	0.4	98.9	0.7
RRP-3-23	65.027	22.703	0.173	0.008	3.711	0.160	1.793	8.260	101.835	0.4	91.4	8.2
RRP-3-24	64.969	22.683	0.172	0.007	3.616	0.040	1.823	8.317	101.627	0.4	97.5	2.1
RRP-3-25	65.046	22.786	0.200	0.011	3.695	0.067	1.758	7.896	101.459	0.6	95.8	3.6
RRP-3-26	64.931	22.692	0.176	0.003	3.722	0.000	1.763	8.235	101.522	0.2	99.8	0.0
RRP-3-27	65.061	22.647	0.217	0.015	3.513	0.147	1.778	8.119	101.497	0.8	91.6	7.6

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RRP-3-28	64.736	22.608	0.183	0.011	3.771	0.080	1.589	8.425	101.403	0.7	94.6	4.8
RRP-3-29	63.985	22.524	0.166	0.008	3.708	0.142	1.894	8.140	100.567	0.4	92.7	6.9
RRP-3-30	64.771	22.457	0.179	0.005	3.891	0.009	1.560	8.390	101.262	0.3	99.1	0.6
RRP-3-31	64.351	22.942	0.201	0.007	4.008	0.143	1.613	8.134	101.399	0.4	91.5	8.1
RRP-3-32	64.549	22.966	0.193	0.008	4.034	0.245	1.694	8.004	101.693	0.4	87.0	12.6
RRP-3-33	64.372	23.109	0.166	0.011	3.915	0.125	1.054	8.794	101.546	0.9	88.6	10.5
RRP-3-34	63.829	22.622	0.200	0.000	3.986	0.187	1.557	7.998	100.379	0.0	89.3	10.7
RRP-3-35	64.351	22.515	0.174	0.009	3.957	0.004	1.441	8.482	100.933	0.6	99.1	0.3
RRP-3-36	64.167	22.646	0.209	0.009	3.729	0.116	1.449	8.346	100.671	0.6	92.1	7.4
RRP-3-37	64.646	22.152	0.184	0.008	3.607	0.031	1.453	8.366	100.447	0.5	97.4	2.1
RRP-3-38	64.755	22.650	0.194	0.004	3.672	0.000	1.374	8.477	101.126	0.3	99.7	0.0
RRP-3-39	64.418	22.870	0.055	0.008	3.851	0.067	0.631	8.756	100.656	1.1	89.4	9.5
RRP-3-40	64.669	22.697	0.179	0.005	3.951	0.018	1.143	8.843	101.505	0.4	98.0	1.5
RRP-3-41	63.005	23.319	0.265	0.002	4.689	0.018	0.764	8.360	100.422	0.3	97.4	2.3
RRP-3-42	63.660	23.323	0.257	0.018	4.840	0.085	0.758	8.531	101.472	2.1	88.0	9.9
RRP-3-43	63.191	23.618	0.237	0.000	4.865	0.187	0.696	8.387	101.181	0.0	78.8	21.2
RRP-3-44	63.618	22.758	0.310	0.017	4.694	0.107	0.673	8.680	100.857	2.1	84.4	13.4
RRP-3-45	65.138	22.538	0.057	0.007	3.055	0.093	0.281	9.877	101.046	1.8	73.8	24.4
GR-1-1	64.666	22.502	0.247	0.000	3.462	0.094	1.340	8.895	101.206	0.0	93.4	6.6
GR-1-4	64.633	22.632	0.206	0.004	3.656	0.076	1.208	8.721	101.136	0.3	93.8	5.9
GR-1-5	64.527	21.789	0.243	0.018	3.498	0.089	1.285	8.626	100.075	1.3	92.3	6.4
GR-1-7	64.456	22.409	0.233	0.005	3.318	0.102	1.322	8.570	100.415	0.3	92.5	7.1
GR-1-8	63.701	22.927	0.192	0.007	4.120	0.031	1.092	8.415	100.485	0.6	96.6	2.7
GR-1-9	63.774	23.253	0.259	0.000	4.279	0.116	1.085	8.260	101.026	0.0	90.3	9.7
GR-2-1	65.337	21.928	0.249	0.000	3.049	0.160	1.387	8.826	100.936	0.0	89.7	10.3
GR-2-2	64.404	22.740	0.278	0.000	3.771	0.022	1.152	8.490	100.857	0.0	98.1	1.9
GR-2-3	64.492	22.847	0.190	0.012	3.713	0.143	1.217	8.705	101.319	0.9	88.7	10.4

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GR-2-4	65.398	22.477	0.217	0.014	3.115	0.027	1.376	8.725	101.349	1.0	97.1	1.9
GR-2-5	64.875	22.731	0.212	0.000	3.547	0.107	1.212	8.808	101.492	0.0	91.9	8.1
GR-2-6	65.610	22.250	0.244	0.018	2.999	0.000	1.567	8.742	101.430	1.1	98.9	0.0
GR-2-7	65.168	22.127	0.233	0.000	2.881	0.240	1.445	8.622	100.716	0.0	85.8	14.2
GR-2-9	63.520	22.878	0.210	0.011	3.792	0.004	1.237	8.303	99.955	0.9	98.8	0.3
GR-2-10	64.501	22.756	0.210	0.001	3.607	0.031	1.257	8.864	101.227	0.1	97.5	2.4
GR-2-11	62.508	23.548	0.216	0.011	4.605	0.116	1.141	8.392	100.537	0.9	90.0	9.1
GR-2-12	63.473	23.054	0.208	0.017	4.153	0.067	1.046	8.420	100.438	1.5	92.6	5.9
GR-2-13	62.990	23.310	0.261	0.009	4.504	0.125	0.960	7.960	100.119	0.8	87.8	11.4
GR-2-14	62.440	22.982	0.194	0.002	4.037	0.062	1.140	8.923	99.780	0.2	94.7	5.1
GR-2-15	63.808	22.811	0.233	0.000	3.966	0.143	1.127	8.687	100.775	0.0	88.7	11.3
GR-2-16	64.019	22.532	0.257	0.015	3.521	0.174	1.221	8.870	100.609	1.1	86.6	12.3
GR-2-17	63.943	22.404	0.203	0.000	3.631	0.094	1.769	8.667	100.711	0.0	95.0	5.0
GR-2-18	64.437	22.651	0.189	0.000	3.659	0.045	1.170	8.277	100.428	0.0	96.3	3.7
GR-2-19	65.139	22.098	0.209	0.003	3.207	0.013	1.358	8.707	100.734	0.2	98.8	0.9
GR-2-20	65.365	22.414	0.262	0.000	3.305	0.116	1.296	8.974	101.732	0.0	91.8	8.2
GR-2-21	64.991	22.541	0.216	0.000	3.396	0.089	1.254	8.917	101.404	0.0	93.4	6.6
GR-2-22	64.350	22.793	0.198	0.005	3.255	0.000	1.171	8.853	100.625	0.4	99.6	0.0
GR-2-24	64.232	22.981	0.276	0.003	3.883	0.120	1.019	8.366	100.880	0.3	89.2	10.5
GR-2-25	64.313	22.422	0.233	0.000	3.222	0.111	1.280	8.545	100.126	0.0	92.0	8.0
GR-2-26	63.499	23.198	0.267	0.005	3.929	0.205	1.169	8.553	100.825	0.4	84.8	14.9
GR-2-27	64.051	23.135	0.240	0.011	4.194	0.094	1.178	8.556	101.459	0.9	91.8	7.3
GR-2-29	63.635	22.146	0.227	0.014	3.873	0.170	1.049	8.728	99.842	1.1	85.1	13.8
GR-2-31	64.195	22.612	0.230	0.004	3.700	0.116	1.170	8.584	100.611	0.3	90.7	9.0
GR-2-32	63.368	22.740	0.264	0.003	3.850	0.125	1.128	8.285	99.763	0.2	89.8	10.0
GR-2-33	64.928	22.532	0.260	0.010	3.288	0.027	1.353	8.955	101.353	0.7	97.3	1.9
GR-2-36	64.593	22.586	0.306	0.018	3.577	0.080	1.227	8.522	100.909	1.4	92.6	6.0

GR-2-37	64.980	22.260	0.216	0.000	3.147	0.000	1.428	9.035	101.066	0.0	100.0	0.0
GR-2-38	65.171	22.364	0.245	0.008	3.256	0.112	1.314	8.741	101.211	0.6	91.6	7.8
GR-2-39	64.943	22.252	0.264	0.000	3.384	0.000	1.235	8.830	100.908	0.0	100.0	0.0
GR-2-40	65.040	22.174	0.266	0.000	3.151	0.036	1.455	8.944	101.066	0.0	97.6	2.4
GR-2-41	64.621	22.183	0.253	0.000	3.266	0.018	1.390	8.868	100.599	0.0	98.7	1.3
GR-2-42	64.371	22.486	0.195	0.000	3.358	0.125	1.350	8.806	100.691	0.0	91.5	8.5
GR-3-1	64.737	22.609	0.224	0.007	3.593	0.183	1.365	8.945	101.663	0.5	87.8	11.8
GR-3-2	64.581	22.679	0.209	0.012	3.441	0.071	1.339	8.815	101.147	0.8	94.2	5.0
GR-3-3	64.923	22.750	0.201	0.000	3.484	0.098	1.373	8.850	101.679	0.0	93.3	6.7
GR-3-4	64.621	22.590	0.204	0.000	3.519	0.120	1.291	8.743	101.088	0.0	91.5	8.5
GR-3-5	64.305	22.440	0.208	0.000	3.369	0.000	1.314	8.820	100.456	0.0	100.0	0.0
GR-3-6	64.506	22.677	0.206	0.000	3.273	0.000	1.296	8.978	100.936	0.0	100.0	0.0
GR-3-7	64.599	22.051	0.215	0.025	3.576	0.000	1.307	8.773	100.546	1.9	98.1	0.0
GR-3-8	64.334	22.467	0.224	0.000	3.594	0.000	1.317	8.348	100.284	0.0	100.0	0.0
GR-3-9	64.870	22.376	0.238	0.000	3.485	0.000	1.250	8.861	101.080	0.0	100.0	0.0
GR-3-10	64.795	22.629	0.178	0.000	3.554	0.000	1.242	8.707	101.105	0.0	100.0	0.0
GR-3-11	64.442	22.489	0.218	0.000	3.433	0.107	1.250	9.021	100.960	0.0	92.1	7.9
GR-3-12	65.355	22.534	0.245	0.007	3.273	0.082	1.292	9.160	101.948	0.5	93.6	5.9
GR-3-13	64.724	22.597	0.224	0.000	3.388	0.000	1.290	8.514	100.737	0.0	100.0	0.0
GR-3-14	64.704	22.681	0.220	0.004	3.262	0.000	1.206	8.838	100.915	0.3	99.7	0.0
GR-3-15	64.673	22.363	0.201	0.014	3.481	0.000	1.224	8.415	100.371	1.1	98.9	0.0
GR-3-16	64.204	22.609	0.237	0.010	3.559	0.151	1.223	8.587	100.580	0.7	88.4	10.9
GR-3-17	65.033	22.282	0.215	0.003	3.314	0.022	1.246	8.830	100.945	0.2	98.0	1.7
GR-3-18	64.606	22.650	0.243	0.020	3.523	0.160	1.185	9.047	101.434	1.5	86.8	11.7
GR-3-19	64.750	22.679	0.247	0.000	3.394	0.009	1.200	8.748	101.027	0.0	99.3	0.7
GR-3-20	64.636	22.503	0.221	0.010	3.337	0.040	1.186	8.724	100.657	0.8	96.0	3.2
GR-3-21	64.318	22.512	0.242	0.001	2.916	0.000	1.189	8.457	99.635	0.1	99.9	0.0

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GR-3-22	64.507	22.678	0.263	0.012	3.618	0.000	1.162	8.522	100.762	1.0	99.0	0.0
GR-3-24	64.457	22.698	0.245	0.011	3.420	0.031	1.294	8.567	100.723	0.8	96.9	2.3
GR-3-25	64.926	22.720	0.218	0.004	3.616	0.192	1.170	8.938	101.784	0.3	85.7	14.1
GR-3-26	63.862	21.882	0.233	0.012	2.858	0.107	1.218	8.585	98.757	0.9	91.1	8.0
GR-3-28	64.799	22.470	0.255	0.003	3.425	0.045	1.213	8.378	100.588	0.2	96.2	3.6
GR-3-29	64.219	22.460	0.232	0.001	3.425	0.062	1.209	8.856	100.464	0.1	95.0	4.9
GR-3-31	64.810	22.266	0.213	0.009	3.317	0.223	1.286	8.859	100.983	0.6	84.7	14.7
GR-3-32	65.386	22.072	0.230	0.011	3.112	0.071	1.443	8.705	101.030	0.7	94.6	4.7
GR-3-33	65.364	22.217	0.233	0.015	3.160	0.022	1.407	8.689	101.107	1.0	97.4	1.5
GR-3-34	65.030	22.480	0.279	0.000	3.210	0.241	1.344	8.503	101.087	0.0	84.8	15.2
GR-3-35	64.629	22.474	0.226	0.000	3.343	0.040	1.326	8.781	100.819	0.0	97.1	2.9
GR-3-36	63.967	22.271	0.207	0.005	3.540	0.000	1.336	8.778	100.104	0.4	99.6	0.0
GR-3-37	65.011	22.568	0.222	0.001	3.072	0.000	1.387	8.790	101.051	0.1	99.9	0.0
GR-3-38	64.806	22.299	0.194	0.008	3.074	0.062	1.426	8.762	100.631	0.5	95.3	4.1
GR-4-1	63.608	23.222	0.202	0.000	4.349	0.022	1.054	7.980	100.437	0.0	98.0	2.0
GR-4-2	63.912	22.773	0.252	0.000	4.274	0.040	1.102	7.941	100.294	0.0	96.5	3.5
GR-4-4	63.619	23.683	0.216	0.003	4.448	0.196	0.993	8.082	101.240	0.3	83.3	16.4
GR-4-5	63.885	23.354	0.249	0.008	4.260	0.067	1.065	8.195	101.083	0.7	93.4	5.9
GR-4-6	63.552	22.907	0.277	0.002	4.338	0.161	1.006	8.219	100.462	0.2	86.1	13.8
GR-4-7	63.497	23.432	0.271	0.000	4.441	0.080	1.021	8.417	101.159	0.0	92.7	7.3
GR-4-8	63.749	23.146	0.204	0.016	4.407	0.143	1.031	8.386	101.082	1.3	86.6	12.0
GR-4-9	63.494	23.533	0.265	0.016	4.513	0.196	1.005	8.357	101.379	1.3	82.6	16.1
GR-4-10	63.141	23.406	0.295	0.000	4.323	0.080	0.996	8.316	100.557	0.0	92.6	7.4
GR-4-12	62.479	23.684	0.283	0.002	4.793	0.071	0.853	7.927	100.092	0.2	92.1	7.7
GR-4-13	61.414	24.820	0.295	0.007	6.073	0.277	0.745	7.546	101.177	0.7	72.4	26.9
GR-4-14	62.325	24.223	0.308	0.012	5.244	0.179	0.840	7.608	100.739	1.2	81.5	17.4
GR-4-15	61.803	24.563	0.328	0.002	5.702	0.210	0.757	7.868	101.233	0.2	78.1	21.7

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GR-4-16	61.332	24.323	0.271	0.011	5.990	0.156	0.743	7.389	100.215	1.2	81.6	17.1
GR-4-17	61.077	25.093	0.329	0.007	6.385	0.411	0.714	7.703	101.719	0.6	63.1	36.3
GR-4-18	61.642	24.076	0.323	0.000	5.775	0.339	0.735	7.844	100.734	0.0	68.4	31.6
GR-4-19	60.222	25.260	0.340	0.012	6.742	0.339	0.641	7.028	100.584	1.2	64.6	34.2
GR-4-20	61.115	25.105	0.309	0.000	6.373	0.330	0.708	7.278	101.218	0.0	68.2	31.8
GR-4-21	60.593	24.890	0.352	0.004	6.249	0.308	0.644	7.739	100.779	0.4	67.4	32.2
GR-4-22	60.634	25.083	0.303	0.017	6.433	0.401	0.632	7.369	100.872	1.6	60.2	38.2
GR-4-23	60.881	25.032	0.284	0.004	6.246	0.216	0.665	7.682	101.010	0.5	75.1	24.4
GR-4-24	61.242	25.073	0.372	0.017	6.522	0.132	0.696	7.313	101.367	2.0	82.4	15.6
GR-4-25	61.449	24.963	0.327	0.014	5.875	0.291	0.686	7.610	101.215	1.4	69.2	29.4
GR-4-26	62.223	24.045	0.296	0.000	5.592	0.128	0.768	7.754	100.806	0.0	85.7	14.3
GR-4-27	61.451	24.511	0.283	0.016	6.127	0.220	0.743	7.515	100.866	1.6	75.9	22.5
GR-4-28	62.624	23.753	0.276	0.000	5.134	0.247	0.901	7.999	100.934	0.0	78.5	21.5
GR-4-29	62.243	23.878	0.258	0.003	5.360	0.084	0.847	7.864	100.537	0.3	90.7	9.0
GR-4-33	63.545	23.264	0.222	0.000	4.488	0.106	0.992	8.464	101.081	0.0	90.3	9.7
GR-4-34	63.438	22.881	0.226	0.005	4.335	0.000	1.025	8.038	99.948	0.5	99.5	0.0
GR-4-35	62.990	23.440	0.255	0.011	4.818	0.004	0.918	8.405	100.841	1.2	98.4	0.4
GR-4-36	63.573	23.584	0.256	0.005	4.590	0.185	1.010	8.392	101.595	0.4	84.2	15.4
GR-4-37	62.818	22.853	0.274	0.000	4.398	0.119	1.008	7.990	99.460	0.0	89.4	10.6
GR-5-2	64.342	23.116	0.215	0.000	3.592	0.084	1.184	8.257	100.790	0.0	93.4	6.6
GR-5-3	64.944	22.977	0.237	0.004	3.638	0.172	1.265	8.656	101.893	0.3	87.8	11.9
GR-5-4	64.423	23.207	0.268	0.014	3.713	0.123	1.108	8.476	101.332	1.1	89.0	9.9
GR-5-5	64.633	23.016	0.278	0.015	3.729	0.141	1.195	8.254	101.261	1.1	88.5	10.4
GR-5-6	63.790	23.286	0.268	0.008	3.535	0.190	1.138	8.319	100.534	0.6	85.2	14.2
GR-5-7	63.987	23.014	0.243	0.006	3.846	0.018	1.170	8.187	100.471	0.5	98.0	1.5
GR-5-8	64.985	22.823	0.254	0.000	3.567	0.190	1.206	8.182	101.207	0.0	86.4	13.6
GR-5-9	64.267	22.326	0.252	0.008	3.670	0.000	1.220	8.496	100.239	0.7	99.3	0.0

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GR-5-10	64.224	23.237	0.280	0.001	3.764	0.154	1.190	8.267	101.117	0.1	88.5	11.4
GR-5-11	64.995	22.919	0.261	0.000	3.384	0.022	1.266	8.537	101.384	0.0	98.3	1.7
GR-5-13	64.364	23.016	0.209	0.000	3.877	0.000	1.228	8.187	100.881	0.0	100.0	0.0
R0732-1-1	68.022	20.365	0.159	0.021	0.133	0.281	0.247	11.597	100.825	3.8	45.0	51.2
R0732-1-2	69.408	20.590	0.090	0.032	0.090	0.022	0.148	11.422	101.802	15.8	73.3	10.9
R0732-1-3	69.096	20.720	0.089	0.028	0.045	0.000	0.134	11.468	101.580	17.3	82.7	0.0
R0732-1-4	69.188	20.775	0.143	0.024	0.209	0.000	0.145	11.294	101.778	14.2	85.8	0.0
R0732-1-5	67.802	19.981	0.535	1.067	0.120	0.097	1.662	9.693	100.957	37.8	58.8	3.4
R0732-1-7	64.921	20.479	1.271	2.631	0.194	0.175	0.220	10.231	100.122	86.9	7.3	5.8
R0732-1-9	68.622	21.088	0.107	0.038	0.257	0.013	0.301	11.148	101.574	10.8	85.5	3.7
R0732-1-10	66.916	19.539	0.085	0.002	0.056	0.013	5.861	7.488	99.960	0.0	99.7	0.2
R0732-1-14	65.943	21.671	0.617	0.306	0.324	0.075	4.184	7.905	101.025	6.7	91.7	1.6
R0732-1-17	64.432	17.697	0.194	0.066	0.000	0.172	16.335	0.336	99.232	0.4	98.6	1.0
R0732-1-19	62.222	21.881	2.029	3.106	0.362	0.013	0.757	8.550	98.920	80.1	19.5	0.3
R0732-1-20	64.952	18.447	0.102	0.012	0.000	0.000	17.461	0.098	101.072	0.1	99.9	0.0
R0732-1-21	65.139	18.740	0.083	0.000	0.000	0.115	16.947	0.255	101.279	0.0	99.3	0.7
R0732-1-22	65.900	20.671	0.196	0.087	0.195	0.088	0.697	10.521	98.355	10.0	79.9	10.1
R0732-1-23	65.767	18.589	0.176	0.026	0.000	0.000	16.680	0.330	101.568	0.2	99.8	0.0
R0732-1-26	69.005	20.855	0.097	0.016	0.003	0.031	0.509	11.008	101.524	2.9	91.5	5.6
R0732-1-28	68.025	22.098	0.219	0.124	0.282	0.079	0.974	9.957	101.758	10.5	82.8	6.7
R0732-1-29	65.127	18.706	0.084	0.004	0.054	0.115	16.194	0.758	101.042	0.0	99.3	0.7
R0732-1-31	62.038	23.476	1.284	1.053	0.166	0.193	3.751	6.629	98.590	21.1	75.1	3.9
R0732-1-32	65.004	22.906	0.385	0.149	0.451	0.026	1.999	9.265	100.185	6.9	92.0	1.2
R0732-1-33	61.144	26.697	0.742	0.509	0.129	0.123	4.640	6.498	100.482	9.7	88.0	2.3
R0732-1-34	60.883	26.272	0.689	0.451	0.220	0.000	6.135	5.309	99.959	6.8	93.2	0.0
R0732-1-35	65.498	23.849	0.392	0.154	0.415	0.053	2.147	8.956	101.464	6.5	91.2	2.3
R0732-1-36	66.115	22.819	0.303	0.139	0.244	0.031	1.893	8.992	100.536	6.7	91.8	1.5

R0732-1-37	64.663	23.549	0.673	0.607	0.359	0.185	2.674	7.919	100.629	17.5	77.1	5.3
R0732-1-38	68.144	20.433	0.150	0.053	0.136	0.158	0.364	10.887	100.325	9.2	63.3	27.5
R0732-1-40	59.046	26.563	1.758	1.197	0.156	0.211	5.559	5.740	100.230	17.2	79.8	3.0
R0732-1-41	66.014	18.902	0.120	0.003	0.026	0.035	14.765	1.380	101.245	0.0	99.7	0.2
R0732-2-1	67.686	21.377	0.127	0.145	0.222	0.053	0.761	11.237	101.608	15.1	79.4	5.5
R0732-2-2	66.035	21.207	0.321	0.453	0.075	0.000	1.322	10.640	100.053	25.5	74.5	0.0
R0732-2-3	68.781	21.058	0.057	0.004	0.330	0.119	0.258	10.583	101.190	1.0	67.7	31.2
R0732-2-4	65.579	22.519	0.720	0.521	0.168	0.070	2.034	8.645	100.256	19.8	77.5	2.7
R0732-2-5	67.637	22.213	0.232	0.150	0.347	0.009	1.043	9.887	101.518	12.5	86.8	0.7
R0732-2-11	63.425	25.003	0.617	0.508	0.425	0.000	3.387	7.212	100.577	13.0	87.0	0.0
R0732-2-12	65.179	22.781	0.130	0.014	2.536	0.022	1.060	8.647	100.369	1.3	96.7	2.0
R0732-2-18	67.605	21.574	0.130	0.094	0.378	0.070	0.657	10.085	100.593	11.4	80.0	8.5
R0732-2-23	66.477	19.546	0.226	0.010	0.118	0.309	10.088	4.337	101.111	0.1	96.9	3.0
R0732-2-24	66.126	19.900	0.192	0.027	0.232	0.495	10.504	3.619	101.095	0.2	95.3	4.5
R0732-2-30	57.325	26.534	0.459	0.080	6.364	0.961	3.220	4.715	99.658	1.9	75.6	22.6
R0732-2-33	58.709	26.740	0.616	0.159	6.817	0.115	1.542	5.679	100.377	8.8	84.9	6.3
R0732-2-38	58.805	25.674	0.294	0.050	7.163	0.137	0.712	6.588	99.423	5.6	79.2	15.2
R0732-2-40	60.581	23.871	0.286	0.093	5.983	0.163	0.863	7.017	98.857	8.3	77.1	14.6
R0732-2-44	58.501	27.066	1.386	0.781	1.149	0.246	5.269	4.739	99.137	12.4	83.7	3.9
R0732-2-47	60.298	24.792	0.635	0.302	4.719	0.040	1.935	6.528	99.249	13.3	85.0	1.8
R0732-2-48	60.872	25.647	0.410	0.055	5.223	0.093	1.578	6.583	100.461	3.2	91.4	5.4
R0732-2-49	67.760	21.626	0.396	1.941	0.223	0.000	0.227	9.597	101.770	89.5	10.5	0.0
R0732-2-50	64.875	18.553	0.061	0.096	0.240	0.089	17.087	0.182	101.183	0.6	98.9	0.5
R0732-2-51	59.007	25.958	0.344	0.108	6.607	0.000	1.121	6.178	99.323	8.8	91.2	0.0
R0732-2-53	62.092	24.682	0.312	0.099	4.647	0.071	1.104	7.585	100.592	7.8	86.7	5.6
R0732-2-56	67.552	22.276	0.103	0.116	0.822	0.009	0.647	9.990	101.515	15.0	83.8	1.2
R0732-2-57	59.157	25.389	0.328	0.012	7.971	0.040	0.627	6.373	99.897	1.8	92.3	5.9

R0732-2-59	60.576	25.274	0.515	0.208	5.374	0.000	2.037	6.766	100.750	9.3	90.7	0.0
R0732-2-60	58.603	28.596	0.806	0.630	0.519	0.088	5.609	4.524	99.375	10.0	88.7	1.4
R0732-2-61	60.128	25.808	0.614	0.261	0.788	0.273	3.804	6.519	98.195	6.0	87.7	6.3
R0732-2-65	67.731	21.185	0.034	0.000	0.562	0.040	0.179	10.436	100.167	0.0	81.7	18.3
R0732-2-66	58.748	27.133	1.244	0.855	0.287	0.229	5.879	5.262	99.637	12.3	84.4	3.3
R0732-2-67	60.452	25.503	0.310	0.030	7.020	0.199	0.780	6.880	101.174	3.0	77.3	19.7
R0732-2-70	65.824	22.596	0.093	0.082	1.828	0.000	0.593	9.461	100.477	12.1	87.9	0.0
R0732-2-71	59.889	25.446	0.272	0.042	6.923	0.155	0.739	7.002	100.468	4.5	79.0	16.6
R0732-2-72	62.020	24.649	0.334	0.068	4.383	0.000	1.262	7.387	100.103	5.1	94.9	0.0
R0732-2-73	60.242	25.059	0.368	0.018	6.979	0.177	0.788	6.873	100.504	1.8	80.2	18.0
R0732-2-75	61.117	25.386	1.419	0.385	0.578	0.018	4.815	6.486	100.204	7.4	92.3	0.3
R0732-2-79	63.521	19.149	0.024	0.000	0.000	0.900	16.840	0.360	100.794	0.0	94.9	5.1
R0732-2-80	64.682	18.510	0.030	0.006	0.000	0.346	16.371	0.553	100.498	0.0	97.9	2.1
R0732-2-81	55.923	31.013	0.682	0.110	0.375	0.106	6.781	4.101	99.091	1.6	96.9	1.5
R0732-2-85	59.292	25.632	0.285	0.012	7.609	0.088	0.640	6.494	100.052	1.6	86.5	11.9
R0732-2-86	59.129	26.746	0.353	0.031	8.217	0.075	0.673	6.485	101.709	4.0	86.4	9.6
R0732-2-87	62.804	23.281	0.654	0.826	0.654	0.000	2.400	8.247	98.866	25.6	74.4	0.0
R0732-2-88	67.032	22.411	0.154	0.164	0.495	0.506	1.379	9.624	101.765	8.0	67.3	24.7
R0732-2-90	58.033	26.597	0.438	0.019	8.826	0.115	0.527	6.063	100.618	2.9	79.7	17.4
R0732-2-91	58.313	26.673	0.473	0.244	6.779	0.243	1.318	6.172	100.215	13.5	73.0	13.5
R0732-2-93	66.356	21.860	0.217	0.098	0.503	0.136	1.003	9.914	100.087	7.9	81.1	11.0
R0732-2-94	65.495	17.997	0.119	0.007	0.001	0.018	16.951	0.356	100.944	0.0	99.9	0.1
R0732-2-95	59.112	26.064	0.633	0.242	4.054	0.467	2.410	6.022	99.004	7.8	77.3	15.0
R0732-2-98	63.949	24.073	0.409	0.204	1.525	0.000	2.221	7.995	100.376	8.4	91.6	0.0
R0732-2-100	59.916	26.040	0.419	0.083	6.793	0.097	1.653	6.003	101.004	4.5	90.2	5.3
R0732-2-101	65.082	18.919	0.076	0.147	0.090	0.496	15.033	1.297	101.140	0.9	95.9	3.2
R0732-2-103	59.118	26.021	0.521	0.257	6.191	0.097	1.510	6.383	100.098	13.8	81.0	5.2

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R0732-2-104	61.858	24.881	0.399	0.380	3.056	0.000	2.215	6.868	99.657	14.6	85.4	0.0
R0732-2-107	68.163	21.133	0.127	0.088	0.191	0.035	1.538	10.157	101.432	5.3	92.6	2.1
R0732-2-108	60.691	25.342	0.615	0.311	3.686	0.040	2.028	7.359	100.072	13.1	85.2	1.7
R0732-2-109	65.725	19.587	0.187	0.064	0.209	0.057	10.342	4.322	100.493	0.6	98.8	0.5
R0732-2-110	57.821	26.536	0.425	0.043	8.193	0.075	0.810	6.315	100.218	4.6	87.3	8.1
R0732-2-111	61.733	24.364	0.509	0.276	3.254	0.066	2.179	7.209	99.590	10.9	86.4	2.6
R0732-2-112	69.373	20.650	0.063	0.009	0.058	0.000	0.276	10.901	101.330	3.2	96.8	0.0
R0732-2-115	65.146	23.244	0.525	0.376	0.592	0.044	3.180	8.102	101.209	10.4	88.3	1.2
R0732-2-116	62.507	23.580	0.515	0.370	3.105	0.106	4.163	6.310	100.656	8.0	89.7	2.3
R0732-2-117	64.451	18.136	0.212	0.067	0.009	0.111	15.959	0.385	99.330	0.4	98.9	0.7
R0732-2-118	65.286	18.687	0.062	0.005	0.000	0.000	17.255	0.210	101.505	0.0	100.0	0.0
R0732-2-119	67.491	21.773	0.191	0.055	0.246	0.004	2.453	9.701	101.914	2.2	97.7	0.2
R0732-2-121	67.863	20.497	0.140	0.066	0.293	0.079	2.618	8.921	100.477	2.4	94.8	2.9
R0732-2-122	67.912	21.157	0.154	0.247	0.150	0.026	0.681	10.727	101.054	25.9	71.4	2.7
R0732-2-123	69.190	20.553	0.098	0.123	0.040	0.000	0.353	10.964	101.321	25.8	74.2	0.0
R0732-2-124	69.062	20.333	0.142	0.000	0.009	0.048	0.187	11.413	101.194	0.0	79.6	20.4
R0732-2-125	66.789	19.539	0.070	0.003	0.000	0.066	9.971	5.047	101.485	0.0	99.3	0.7
R0732-2-126	66.422	20.512	1.338	1.587	0.105	0.009	1.808	8.652	100.433	46.6	53.1	0.3
R0732-2-127	68.584	20.608	0.146	0.201	0.054	0.048	0.527	10.689	100.857	25.9	67.9	6.2
R0732-2-128	66.301	19.232	0.040	0.004	0.000	0.102	13.532	2.632	101.843	0.0	99.2	0.7
R0732-2-129	68.481	19.916	0.089	0.037	0.032	0.022	3.784	8.395	100.756	1.0	98.5	0.6
R0732-2-131	66.943	23.290	0.177	0.041	0.134	0.000	1.552	9.533	101.670	2.6	97.4	0.0
R0732-2-132	69.245	20.758	0.013	0.014	0.098	0.031	0.162	11.160	101.481	6.8	78.3	15.0
R0732-2-135	63.513	25.799	0.276	0.095	0.164	0.013	3.392	8.232	101.484	2.7	96.9	0.4
R0732-2-136	65.326	23.807	0.250	0.073	0.140	0.026	2.248	9.200	101.070	3.1	95.8	1.1
R0732-2-137	68.935	20.814	0.054	0.026	0.080	0.084	0.262	11.321	101.576	7.0	70.4	22.6
R0732-2-140	64.975	23.271	0.327	0.187	0.134	0.053	2.092	9.095	100.134	8.0	89.7	2.3

R0732-3-1	69.672	20.372	0.063	0.000	0.019	0.018	0.175	11.428	101.747	0.0	90.7	9.3
R0732-3-4	69.221	20.514	0.055	0.040	0.065	0.052	0.468	11.039	101.454	7.1	83.6	9.3
R0732-3-6	68.565	20.836	0.077	0.000	0.074	0.004	0.228	11.139	100.923	0.0	98.3	1.7
R0732-3-9	69.076	20.032	0.052	0.010	0.084	0.074	0.125	11.553	101.006	4.8	59.8	35.4
R0732-3-14	67.534	19.505	0.110	0.015	0.024	0.044	0.092	11.239	98.563	9.9	60.9	29.1
R0732-3-15	69.052	20.371	0.047	0.000	0.025	0.083	0.099	11.181	100.858	0.0	54.4	45.6
R0732-3-15	68.928	20.449	0.097	0.010	0.055	0.000	0.123	11.313	100.975	7.5	92.5	0.0
R0732-3-16	69.819	20.456	0.057	0.000	0.006	0.026	0.080	11.332	101.776	0.0	75.5	24.5
R0732-3-17	69.702	20.343	0.024	0.000	0.000	0.101	0.056	11.092	101.318	0.0	35.7	64.3
R0732-3-18	69.631	20.036	0.027	0.000	0.013	0.031	0.031	11.218	100.987	0.0	50.0	50.0
R0732-3-19	69.536	20.527	0.000	0.014	0.027	0.100	0.044	11.694	101.942	8.9	27.8	63.3
R0732-3-20	68.714	20.358	0.006	0.001	0.064	0.000	0.092	11.496	100.731	1.1	98.9	0.0
R0732-3-22	68.928	19.304	0.027	0.003	0.074	0.000	0.086	11.137	99.559	3.4	96.6	0.0
R0732-3-23	69.613	20.117	0.022	0.000	0.030	0.096	0.068	11.551	101.497	0.0	41.5	58.5
R0732-3-25	69.293	20.365	0.033	0.023	0.035	0.000	0.064	11.692	101.505	26.4	73.6	0.0
R0732-3-27	69.608	20.663	0.002	0.000	0.075	0.157	0.118	11.021	101.644	0.0	42.9	57.1
R0732-3-28	68.020	20.771	0.090	0.028	0.076	0.065	0.485	10.656	100.191	4.8	83.9	11.2
R0732-3-29	69.493	20.848	0.065	0.025	0.041	0.039	0.109	11.239	101.859	14.5	63.0	22.5
R0732-3-29	69.290	20.362	0.021	0.020	0.030	0.000	0.054	10.954	100.731	27.0	73.0	0.0
R0732-4-1	68.607	21.252	0.125	0.072	0.323	0.131	0.306	10.496	101.312	14.1	60.1	25.7
R0732-4-3	69.097	21.032	0.082	0.039	0.042	0.000	0.443	10.688	101.423	8.1	91.9	0.0
R0732-4-4	64.450	23.038	0.427	0.176	0.467	0.044	2.019	8.974	99.595	7.9	90.2	2.0
R0732-4-6	63.076	23.536	1.020	0.673	0.233	0.166	4.087	6.690	99.481	13.7	83.0	3.4
R0732-4-7	64.763	21.242	0.464	0.428	0.410	0.328	5.062	6.852	99.549	7.4	87.0	5.6
R0732-4-8	64.253	20.644	0.172	0.073	0.071	1.694	6.845	6.212	99.964	0.8	79.5	19.7
R0732-4-10	62.818	25.367	0.597	0.229	0.102	0.096	5.707	6.051	100.967	3.8	94.6	1.6
R0732-4-11	66.860	20.092	0.082	0.015	0.027	0.053	6.873	6.554	100.556	0.2	99.0	0.8

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R0732-4-12	65.761	18.907	0.044	0.008	0.000	0.062	16.576	0.222	101.580	0.0	99.6	0.4
R0732-4-15	65.331	19.406	0.061	0.055	0.000	0.031	13.217	2.244	100.345	0.4	99.4	0.2
R0732-4-16	65.709	18.349	0.020	0.000	0.000	0.000	16.853	0.159	101.090	0.0	100.0	0.0
R0732-4-17	65.434	18.757	0.086	0.042	0.000	0.000	16.491	0.544	101.354	0.3	99.7	0.0
R0732-4-18	65.831	18.584	0.048	0.000	0.000	0.013	17.078	0.302	101.856	0.0	99.9	0.1
R0732-4-19	64.691	18.316	0.006	0.000	0.000	0.022	17.291	0.168	100.494	0.0	99.9	0.1
R0732-4-20	65.244	19.014	0.038	0.000	0.000	0.216	15.402	1.148	101.062	0.0	98.6	1.4
R0732-4-23	64.623	19.151	0.065	0.006	0.000	0.128	16.822	0.250	101.045	0.0	99.2	0.8
R0732-4-25	65.247	21.048	0.199	0.069	0.182	0.110	9.687	4.571	101.113	0.7	98.2	1.1
R0732-4-26	65.360	18.741	0.027	0.015	0.000	0.040	16.842	0.130	101.155	0.1	99.7	0.2
R0732-4-27	69.327	20.458	0.051	0.000	0.480	0.057	0.109	11.303	101.785	0.0	65.7	34.3
R0732-4-28	67.834	19.875	0.257	0.041	0.087	0.074	4.298	7.897	100.363	0.9	97.4	1.7
R0732-4-30	67.432	21.925	0.083	0.032	1.249	0.148	0.316	10.241	101.426	6.5	63.7	29.8
R0732-4-32	61.649	24.672	0.284	0.009	6.142	0.114	0.950	7.129	100.949	0.8	88.5	10.6
R0732-4-34	65.942	22.192	0.193	0.086	1.923	0.009	0.777	9.381	100.503	9.9	89.1	1.0
R0732-4-35	61.435	24.753	0.347	0.004	6.308	0.215	0.876	7.550	101.488	0.4	80.0	19.6
R0732-4-36	64.357	18.864	0.220	0.559	0.159	0.044	13.606	1.543	99.352	3.9	95.8	0.3
R0732-4-37	58.372	26.458	2.100	1.290	0.363	0.004	5.412	5.278	99.277	19.2	80.7	0.1
R0732-4-38	61.341	24.413	0.312	0.004	5.798	0.175	0.793	7.255	100.091	0.4	81.6	18.0
R0732-4-39	63.415	23.710	0.295	0.046	3.891	0.114	0.709	8.628	100.808	5.3	81.6	13.1
R0732-4-41	67.094	22.679	0.381	0.157	0.315	0.070	1.300	9.771	101.767	10.3	85.1	4.6
R0732-4-42	65.011	18.775	0.169	0.017	0.000	0.062	15.490	1.262	100.786	0.1	99.5	0.4
R0732-4-47	65.774	18.703	0.250	0.000	0.058	0.101	14.427	1.177	100.490	0.0	99.3	0.7
R0732-4-49	69.214	20.701	0.027	0.000	0.032	0.017	0.140	11.625	101.756	0.0	89.2	10.8
R0732-4-50	69.089	20.144	0.160	0.000	0.009	0.052	0.140	11.477	101.071	0.0	72.9	27.1
R0732-4-51	68.890	20.784	0.181	0.050	0.093	0.140	0.287	10.990	101.415	10.5	60.2	29.4
R0732-4-52	68.897	20.183	0.021	0.015	0.047	0.026	0.090	11.287	100.566	11.5	68.7	19.8

R0732-4-53	69.336	20.677	0.023	0.013	0.031	0.000	0.147	11.329	101.556	8.1	91.9	0.0
R0732-4-54	68.612	20.661	0.078	0.014	0.036	0.044	0.085	11.763	101.293	9.8	59.4	30.8
R0732-4-55	65.559	18.507	0.081	0.000	0.007	0.127	14.831	1.019	100.131	0.0	99.2	0.8
R0732-4-57	68.386	20.608	0.180	0.310	0.130	0.013	0.297	11.853	101.777	50.0	47.9	2.1
R0732-4-58	68.277	20.958	0.091	0.003	0.190	0.114	0.200	11.258	101.091	0.9	63.1	36.0
R0732-4-60	68.529	20.910	0.043	0.000	0.077	0.052	0.127	11.564	101.302	0.0	70.9	29.1
R0732-4-61	67.778	20.971	0.167	0.314	0.132	0.057	0.228	11.199	100.846	52.4	38.1	9.5
R0732-4-65	66.414	22.034	0.252	0.071	0.280	0.000	1.096	9.875	100.022	6.1	93.9	0.0
R0732-4-66	69.505	20.728	0.046	0.007	0.092	0.105	0.107	11.175	101.765	3.2	48.9	47.9
R0732-4-67	69.503	20.390	0.053	0.007	0.041	0.105	0.105	11.335	101.539	3.2	48.4	48.4
R0732-4-68	69.534	20.762	0.057	0.021	0.074	0.000	0.221	11.183	101.852	8.7	91.3	0.0
R0732-4-70	65.288	19.096	0.171	0.000	0.059	0.189	11.241	4.017	100.061	0.0	98.3	1.7
R0732-5-2	69.141	20.377	0.062	0.004	0.041	0.031	0.230	11.081	100.967	1.5	86.8	11.7
R0732-5-3	68.378	20.447	0.097	0.000	0.046	0.009	0.153	10.717	99.847	0.0	94.4	5.6
R0732-5-8	63.480	22.193	0.814	0.371	0.438	0.000	2.096	8.857	98.249	15.0	85.0	0.0
R0732-5-12	63.336	21.991	0.575	0.269	0.196	0.000	6.251	6.477	99.095	4.1	95.9	0.0
R0732-5-13	66.599	20.790	0.879	0.133	0.377	0.131	3.468	8.642	101.019	3.6	92.9	3.5
R0732-5-17	69.387	20.974	0.081	0.017	0.045	0.000	0.142	10.935	101.581	10.7	89.3	0.0
R0732-5-18	69.460	20.547	0.126	0.000	0.048	0.000	0.336	10.905	101.422	0.0	100.0	0.0
R0732-5-20	69.121	20.984	0.080	0.011	0.064	0.052	0.318	10.883	101.513	2.9	83.5	13.6
R0732-5-21	67.722	21.570	0.146	0.052	0.615	0.000	0.417	10.708	101.230	11.1	88.9	0.0
R0732-5-24	65.323	18.398	0.086	0.025	0.000	0.079	16.871	0.567	101.349	0.1	99.4	0.5
R0732-5-25	65.497	18.193	0.093	0.000	0.000	0.084	17.212	0.180	101.259	0.0	99.5	0.5
R0732-5-27	65.774	21.664	0.418	0.319	0.344	0.127	1.851	8.872	99.369	13.9	80.6	5.5
R0732-5-28	65.392	18.577	0.053	0.001	0.000	0.110	17.608	0.093	101.834	0.0	99.4	0.6
R0732-5-29	65.461	18.662	0.094	0.000	0.009	0.115	15.958	1.536	101.835	0.0	99.3	0.7
R0732-5-31	67.747	21.926	0.207	0.212	0.222	0.123	1.025	10.158	101.620	15.6	75.4	9.0

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R0732-5-34	67.725	20.298	0.169	0.046	0.308	0.035	5.077	8.179	101.837	0.9	98.4	0.7
R0732-5-35	63.764	17.841	0.184	0.004	0.009	0.124	15.780	0.723	98.429	0.0	99.2	0.8
R0732-5-39	65.708	18.707	0.057	0.014	0.000	0.000	16.378	0.772	101.636	0.1	99.9	0.0
R0732-5-44	67.532	21.349	0.207	0.068	0.328	0.000	0.895	9.924	100.303	7.1	92.9	0.0
R0732-5-49	62.907	24.242	0.761	0.781	0.291	0.039	4.530	6.582	100.133	14.6	84.7	0.7
R0732-5-53	68.655	20.556	0.104	0.033	0.165	0.131	0.430	10.660	100.734	5.6	72.4	22.1
R0732-5-55	65.406	23.175	0.331	0.116	0.140	0.144	2.147	8.825	100.284	4.8	89.2	6.0
R0732-5-56	58.994	25.508	1.362	1.245	0.260	0.022	5.351	5.485	98.227	18.8	80.9	0.3
R0732-5-57	66.172	20.705	0.804	1.541	0.234	0.000	0.199	9.975	99.630	88.6	11.4	0.0
R0732-5-58	65.813	20.817	0.957	1.992	0.353	0.000	0.289	10.418	100.639	87.3	12.7	0.0
R0732-5-59	64.503	21.399	0.474	0.273	0.198	0.000	1.764	9.463	98.074	13.4	86.6	0.0
R0732-5-60	68.898	21.277	0.070	0.028	0.148	0.000	0.467	11.058	101.946	5.7	94.3	0.0
R0732-5-62	67.639	20.430	0.205	0.098	0.036	0.000	0.754	10.224	99.386	11.5	88.5	0.0
R0732-5-63	63.946	22.232	1.062	2.483	0.172	0.031	1.306	8.911	100.143	65.0	34.2	0.8
R0732-5-65	67.984	20.041	0.091	0.019	0.099	0.004	1.460	10.459	100.157	1.3	98.4	0.3
R0732-5-66	68.891	20.755	0.058	0.010	0.202	0.127	0.207	11.026	101.276	2.9	60.2	36.9
R0732-5-67	67.689	20.375	0.121	0.415	0.357	0.127	0.277	11.303	100.664	50.7	33.8	15.5
R0732-5-70	67.815	21.357	0.152	0.019	0.925	0.022	0.252	10.852	101.394	6.5	86.0	7.5
R0732-5-73	66.671	20.797	0.122	0.078	0.091	0.070	0.556	10.532	98.917	11.1	79.0	9.9
R0732-5-74	66.820	21.941	0.384	0.135	0.180	0.035	1.143	9.925	100.563	10.3	87.1	2.7
W076-1-1	65.060	20.957	0.096	0.033	2.085	0.000	0.277	9.907	98.415	10.6	89.4	0.0
W076-1-2	66.385	22.019	0.101	0.000	2.319	0.123	0.242	10.353	101.542	0.0	66.3	33.7
W076-1-3	64.174	23.449	0.261	0.660	0.288	0.079	5.655	6.310	100.876	10.3	88.4	1.2
W076-1-4	66.049	20.915	0.099	0.203	0.308	0.342	5.935	6.560	100.411	3.1	91.6	5.3
W076-1-5	65.280	19.053	0.027	0.000	0.048	0.084	13.962	2.697	101.151	0.0	99.4	0.6
W076-1-6	66.493	21.967	0.093	0.018	2.393	0.101	0.258	10.168	101.491	4.8	68.4	26.8
W076-1-9	62.475	23.978	0.221	0.010	4.923	0.153	0.390	8.568	100.718	1.8	70.5	27.7

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W076-1-10	64.165	22.533	0.269	0.000	3.764	0.088	0.441	9.122	100.382	0.0	83.4	16.6
W076-1-11	65.259	22.195	0.271	0.013	2.944	0.057	0.371	9.433	100.543	2.9	84.1	12.9
W076-1-12	65.872	21.751	0.129	0.025	2.042	0.000	0.770	10.057	100.646	3.1	96.9	0.0
W076-1-13	66.660	21.954	0.067	0.091	2.008	0.000	0.227	10.483	101.490	28.6	71.4	0.0
W076-1-14	66.175	21.052	0.068	0.009	1.848	0.044	0.304	10.029	99.529	2.5	85.2	12.3
W076-1-15	64.323	22.452	0.097	0.027	2.690	0.000	0.610	9.578	99.777	4.2	95.8	0.0
W076-1-16	63.021	23.767	0.226	0.000	4.723	0.048	0.281	9.121	101.187	0.0	85.4	14.6
W076-1-17	63.691	23.693	0.187	0.008	4.504	0.061	0.322	9.144	101.610	2.0	82.4	15.6
W076-1-18	62.739	23.626	0.252	0.009	4.739	0.127	0.372	8.591	100.455	1.8	73.2	25.0
W076-1-19	62.244	24.020	0.165	0.000	5.051	0.144	0.216	8.348	100.188	0.0	60.0	40.0
W076-1-20	63.081	22.656	0.147	0.015	3.385	0.000	0.298	9.519	99.101	4.8	95.2	0.0
W076-1-21	63.764	22.985	0.143	0.006	4.203	0.009	0.243	9.132	100.485	2.3	94.2	3.5
W076-1-22	63.163	23.411	0.158	0.002	4.365	0.000	0.302	9.022	100.423	0.7	99.3	0.0
W076-1-23	62.479	23.625	0.248	0.000	4.499	0.087	0.392	8.869	100.199	0.0	81.8	18.2
W076-1-24	60.291	25.451	0.204	0.015	6.987	0.105	0.277	7.767	101.097	3.8	69.8	26.4
W076-1-25	60.947	25.136	0.176	0.022	6.486	0.026	0.336	7.690	100.819	5.7	87.5	6.8
W076-1-26	63.050	23.229	0.258	0.009	4.788	0.149	0.532	8.963	100.978	1.3	77.1	21.6
W076-1-28	63.505	23.420	0.188	0.014	4.355	0.066	0.475	8.339	100.362	2.5	85.6	11.9
W076-1-31	60.097	25.582	0.222	0.061	7.232	0.180	0.342	7.311	101.027	10.5	58.7	30.9
W076-1-32	62.254	24.021	0.209	0.021	5.208	0.184	0.443	8.270	100.610	3.2	68.4	28.4
W076-1-33	62.744	23.710	0.212	0.003	4.785	0.022	0.421	8.683	100.580	0.7	94.4	4.9
W076-1-34	62.488	24.175	0.253	0.014	5.217	0.110	0.309	8.416	100.982	3.2	71.4	25.4
W076-1-35	62.318	24.106	0.183	0.012	5.117	0.123	0.315	8.332	100.506	2.7	70.0	27.3
W076-1-36	65.213	22.838	0.070	0.197	3.003	0.048	0.172	9.240	100.781	47.2	41.2	11.5
W076-1-37	60.464	24.561	0.190	0.006	6.289	0.176	0.444	7.829	99.959	1.0	70.9	28.1
W076-1-38	60.906	25.273	0.196	0.061	4.781	0.083	1.443	7.796	100.539	3.8	90.9	5.2
W076-1-40	66.733	21.363	0.185	0.011	2.256	0.092	0.940	9.697	101.277	1.1	90.1	8.8

W076-1-41	65.314	21.834	0.209	0.008	3.108	0.009	0.768	9.200	100.450	1.0	97.8	1.1
W076-1-42	65.227	22.588	0.215	0.000	3.368	0.228	0.677	9.613	101.916	0.0	74.8	25.2
W076-1-43	64.081	23.122	0.172	0.002	3.876	0.053	0.514	9.156	100.976	0.4	90.3	9.3
W076-1-44	63.788	23.209	0.208	0.002	4.268	0.000	0.464	8.778	100.717	0.4	99.6	0.0
W076-1-45	65.012	22.833	0.146	0.000	2.994	0.171	0.541	9.065	100.762	0.0	76.0	24.0
W076-1-46	65.177	22.157	0.161	0.000	2.756	0.013	0.561	9.257	100.082	0.0	97.7	2.3
W076-1-47	63.588	23.196	0.147	0.003	4.211	0.000	0.498	8.670	100.313	0.6	99.4	0.0
W076-1-48	64.626	23.184	0.138	0.006	3.504	0.136	0.247	9.047	100.888	1.5	63.5	35.0
W076-1-49	65.575	21.768	0.135	0.007	2.157	0.039	0.283	10.010	99.974	2.1	86.0	11.9
W076-1-50	66.406	21.433	0.141	0.007	2.183	0.044	0.187	10.070	100.471	2.9	78.6	18.5
W076-1-51	63.012	23.610	0.223	0.009	4.457	0.114	0.209	8.706	100.340	2.7	63.0	34.3
W076-1-52	62.933	23.659	0.228	0.005	4.706	0.000	0.315	8.638	100.484	1.6	98.4	0.0
W076-1-53	62.859	23.896	0.221	0.000	4.918	0.097	0.378	8.586	100.955	0.0	79.6	20.4
W076-1-54	61.550	25.250	0.215	0.000	6.580	0.000	0.302	7.723	101.620	0.0	100.0	0.0
W076-1-55	62.373	24.368	0.229	0.002	5.438	0.031	0.326	8.222	100.989	0.6	90.8	8.6
W076-1-56	64.934	22.474	0.209	0.008	3.350	0.000	0.431	9.634	101.040	1.8	98.2	0.0
W076-1-57	65.748	22.281	0.184	0.009	2.596	0.105	0.353	9.509	100.785	1.9	75.6	22.5
W076-1-58	64.487	23.004	0.087	0.000	3.941	0.057	0.274	9.290	101.140	0.0	82.8	17.2
W076-1-60	60.248	25.641	0.186	0.002	7.103	0.075	0.278	6.725	100.258	0.6	78.3	21.1
W076-1-61	61.072	24.635	0.199	0.030	5.830	0.044	0.220	8.027	100.057	10.2	74.8	15.0
W076-1-62	59.936	24.675	0.152	0.006	6.485	0.123	0.233	7.587	99.197	1.7	64.4	34.0
W076-1-63	61.767	24.625	0.091	0.015	5.603	0.136	0.223	7.913	100.373	4.0	59.6	36.4
W076-1-64	65.969	22.019	0.171	0.010	2.447	0.013	0.532	9.466	100.627	1.8	95.9	2.3
W076-1-64	66.214	21.807	0.105	0.000	2.486	0.119	0.598	9.783	101.112	0.0	83.4	16.6
W076-1-65	62.425	24.445	0.181	0.009	5.673	0.084	0.373	8.336	101.526	1.9	80.0	18.0
W076-1-66	60.908	25.369	0.203	0.003	6.712	0.000	0.333	7.727	101.255	0.9	99.1	0.0
W076-1-67	62.328	24.148	0.213	0.013	5.170	0.075	0.477	8.184	100.608	2.3	84.4	13.3

W076-1-68	60.997	24.790	0.251	0.015	5.771	0.145	0.446	7.682	100.097	2.5	73.6	23.9
W076-1-69	63.180	23.669	0.220	0.008	4.741	0.066	0.562	8.217	100.663	1.3	88.4	10.4
W076-1-70	63.193	23.446	0.224	0.008	4.368	0.162	0.612	8.567	100.580	1.0	78.3	20.7
W076-1-71	61.201	24.675	0.263	0.010	6.148	0.000	0.458	7.664	100.419	2.1	97.9	0.0
W076-1-72	62.335	24.272	0.252	0.000	5.403	0.198	0.517	8.184	101.161	0.0	72.3	27.7
W076-1-73	62.340	24.197	0.260	0.003	5.434	0.162	0.582	8.096	101.074	0.4	77.9	21.7
W076-1-74	62.291	24.058	0.270	0.000	5.469	0.255	0.556	8.218	101.117	0.0	68.6	31.4
W076-1-75	61.796	24.441	0.275	0.016	5.602	0.149	0.572	7.613	100.464	2.2	77.6	20.2
W076-1-76	62.136	23.768	0.261	0.009	5.557	0.307	0.584	7.894	100.516	1.0	64.9	34.1
W076-1-77	62.223	24.404	0.260	0.015	5.716	0.202	0.585	8.095	101.500	1.9	72.9	25.2
W076-1-78	62.076	24.282	0.251	0.002	5.656	0.136	0.601	8.049	101.053	0.3	81.3	18.4
W076-1-79	62.116	24.468	0.263	0.001	5.651	0.031	0.625	7.680	100.835	0.2	95.1	4.7
W076-1-80	62.730	23.954	0.229	0.000	5.092	0.114	0.683	7.943	100.745	0.0	85.7	14.3
W076-1-81	62.657	24.104	0.204	0.017	5.298	0.202	0.665	8.126	101.273	1.9	75.2	22.9
W076-1-83	62.570	23.966	0.255	0.000	5.038	0.277	0.732	7.965	100.803	0.0	72.5	27.5
W076-1-84	62.639	23.816	0.259	0.005	4.980	0.187	0.735	8.190	100.811	0.5	79.3	20.2
W076-1-85	63.047	23.440	0.240	0.007	4.923	0.160	0.746	8.364	100.927	0.8	81.7	17.5
W076-1-86	62.949	23.688	0.288	0.011	4.786	0.252	0.768	8.217	100.959	1.1	74.5	24.4
W076-1-87	63.631	23.491	0.290	0.000	4.518	0.014	0.793	8.277	101.014	0.0	98.3	1.7
W076-1-88	63.108	23.704	0.279	0.014	4.717	0.152	0.799	8.378	101.151	1.5	82.8	15.8
W076-1-89	63.049	23.834	0.259	0.002	4.743	0.134	0.741	8.428	101.190	0.2	84.5	15.3
W076-1-91	61.695	24.598	0.218	0.003	6.010	0.148	0.637	7.339	100.648	0.4	80.8	18.8
W076-1-92	61.515	24.667	0.231	0.000	6.057	0.069	0.583	7.261	100.383	0.0	89.4	10.6
W076-1-93	61.300	25.046	0.246	0.001	6.281	0.259	0.563	7.210	100.906	0.1	68.4	31.5
W076-1-94	60.967	25.126	0.223	0.027	5.923	0.208	0.548	7.257	100.279	3.4	70.0	26.6
W076-1-95	60.575	25.382	0.244	0.000	6.723	0.269	0.528	7.173	100.894	0.0	66.2	33.8
W076-1-96	60.716	24.721	0.282	0.001	6.009	0.162	0.609	7.021	99.521	0.1	78.9	21.0

W076-1-98	62.205	23.656	0.276	0.002	5.268	0.227	0.670	7.509	99.813	0.2	74.5	25.3
W076-1-99	61.638	24.582	0.249	0.017	5.826	0.153	0.647	7.613	100.725	2.1	79.2	18.7
W076-1-101	61.402	24.726	0.231	0.003	5.957	0.139	0.566	7.369	100.393	0.4	79.9	19.6
W076-1-102	63.123	23.821	0.294	0.009	4.872	0.305	0.685	7.941	101.050	0.9	68.6	30.5
W076-1-105	61.519	23.711	0.287	0.010	4.786	0.231	0.544	7.868	98.956	1.3	69.3	29.4
W076-1-106	63.362	23.865	0.271	0.023	4.798	0.190	0.462	8.080	101.051	3.4	68.4	28.1
W076-1-108	61.935	24.305	0.305	0.013	5.437	0.222	0.600	7.452	100.269	1.6	71.9	26.6
W076-1-109	62.456	24.395	0.256	0.003	5.514	0.106	0.588	7.533	100.851	0.4	84.4	15.2
W076-1-111	62.110	24.484	0.242	0.007	5.586	0.000	0.515	7.460	100.404	1.3	98.7	0.0
W076-1-112	62.124	24.524	0.257	0.005	5.603	0.102	0.527	7.570	100.712	0.8	83.1	16.1
W076-1-113	62.222	24.371	0.238	0.007	5.739	0.208	0.530	7.665	100.980	0.9	71.1	27.9
W076-1-114	61.394	24.471	0.306	0.000	5.673	0.245	0.559	7.381	100.029	0.0	69.5	30.5
W076-1-115	62.354	24.510	0.238	0.000	5.618	0.074	1.117	7.089	101.000	0.0	93.8	6.2
W076-1-116	62.047	24.181	0.264	0.004	5.696	0.134	0.500	7.652	100.478	0.6	78.4	21.0
W076-1-118	62.088	24.543	0.269	0.000	5.735	0.120	0.490	7.770	101.015	0.0	80.3	19.7
W076-1-119	62.465	24.195	0.230	0.007	5.372	0.139	0.424	7.771	100.603	1.2	74.4	24.4
W076-1-122	62.119	24.187	0.246	0.000	5.122	0.231	0.351	8.072	100.328	0.0	60.3	39.7
W076-1-123	62.326	24.393	0.246	0.004	5.314	0.093	0.307	7.989	100.672	1.0	76.0	23.0
W076-1-124	62.088	24.308	0.229	0.006	5.396	0.167	0.314	7.954	100.462	1.2	64.5	34.3
W076-1-125	61.388	24.338	0.233	0.027	4.888	0.106	0.539	7.938	99.457	4.0	80.2	15.8
W076-1-126	62.082	24.392	0.218	0.012	5.752	0.037	0.545	7.782	100.820	2.0	91.8	6.2
W076-1-127	62.268	24.425	0.244	0.012	5.369	0.116	0.526	7.902	100.862	1.8	80.4	17.7
W076-1-128	62.497	24.144	0.244	0.000	5.276	0.120	0.576	8.059	100.916	0.0	82.8	17.2
W076-1-129	62.548	24.500	0.209	0.005	5.449	0.069	0.534	7.782	101.096	0.8	87.8	11.3
W076-1-130	63.147	23.884	0.222	0.019	4.781	0.097	0.560	8.301	101.011	2.8	82.8	14.3
W076-1-131	62.861	23.670	0.253	0.000	4.638	0.273	0.614	7.991	100.300	0.0	69.2	30.8
W076-1-132	62.753	23.877	0.236	0.019	4.878	0.014	0.512	8.096	100.385	3.5	93.9	2.6

W076-1-133	62.790	23.915	0.178	0.005	5.068	0.051	0.524	8.257	100.788	0.9	90.3	8.8
W076-1-134	63.527	23.848	0.219	0.006	4.866	0.167	0.467	8.410	101.510	0.9	73.0	26.1
W076-1-135	63.790	23.633	0.218	0.001	4.720	0.190	0.337	8.784	101.673	0.2	63.8	36.0
W076-1-136	63.496	23.636	0.199	0.010	4.770	0.051	0.334	8.528	101.024	2.5	84.6	12.9
W076-1-138	66.317	21.430	0.308	0.000	2.433	0.125	0.431	9.707	100.751	0.0	77.5	22.5
W076-1-139	65.530	22.650	0.228	0.014	3.290	0.042	0.469	9.285	101.508	2.7	89.3	8.0
W076-1-140	63.292	24.124	0.269	0.000	5.144	0.199	0.391	8.448	101.867	0.0	66.3	33.7
W076-1-141	62.582	23.955	0.169	0.006	5.154	0.074	0.370	8.152	100.462	1.3	82.2	16.4
W076-1-142	62.002	24.274	0.192	0.028	5.399	0.000	0.408	7.906	100.209	6.4	93.6	0.0
W076-1-143	59.865	25.960	0.227	0.010	7.188	0.120	0.975	6.678	101.023	0.9	88.2	10.9
W076-1-144	60.062	26.254	0.243	0.000	7.393	0.199	0.532	7.030	101.713	0.0	72.8	27.2
W076-1-145	60.391	25.402	0.218	0.010	6.497	0.190	0.299	7.332	100.339	2.0	59.9	38.1
W076-1-146	61.546	24.281	0.159	0.009	5.519	0.491	3.395	6.170	101.570	0.2	87.2	12.6
W076-1-147	60.009	25.939	0.261	0.001	7.456	0.181	0.359	7.078	101.284	0.2	66.4	33.5
W076-1-148	60.768	25.525	0.248	0.023	6.626	0.037	1.337	7.003	101.567	1.6	95.7	2.6
W076-1-149	60.536	25.056	0.193	0.013	7.075	0.204	0.364	7.416	100.857	2.2	62.7	35.1
W076-1-150	61.236	25.266	0.179	0.012	6.536	0.000	0.336	7.295	100.860	3.4	96.6	0.0
W076-1-151	62.897	24.466	0.188	0.000	5.301	0.023	0.338	8.244	101.457	0.0	93.6	6.4
W076-1-152	59.816	26.367	0.230	0.012	6.956	0.005	0.272	7.257	100.915	4.2	94.1	1.7
W076-1-153	60.147	26.200	0.239	0.020	7.484	0.005	0.359	7.000	101.454	5.2	93.5	1.3
W076-1-154	60.060	26.239	0.227	0.023	7.167	0.079	0.338	7.026	101.159	5.2	76.8	18.0
W076-1-155	58.332	26.426	0.181	0.007	7.595	0.186	1.584	5.628	99.939	0.4	89.1	10.5
W076-1-156	59.131	26.236	0.262	0.017	8.377	0.120	0.235	6.631	101.009	4.6	63.2	32.3
W076-1-157	58.332	27.025	0.193	0.009	8.415	0.199	0.246	6.491	100.910	2.0	54.2	43.8
W076-1-158	59.755	26.184	0.195	0.002	7.733	0.009	0.268	7.037	101.183	0.7	96.1	3.2
W076-1-159	60.354	25.088	0.228	0.008	6.982	0.083	0.313	7.448	100.504	2.0	77.5	20.5
W076-1-160	60.789	25.522	0.229	0.024	6.741	0.097	0.356	7.478	101.236	5.0	74.6	20.3

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W076-1-161	61.211	24.987	0.234	0.014	6.166	0.212	0.455	7.464	100.743	2.1	66.8	31.1
W076-1-162	61.209	24.642	0.220	0.016	6.123	0.088	0.428	7.591	100.317	3.0	80.5	16.5
W076-1-164	63.057	23.985	0.292	0.036	5.128	0.014	0.384	8.405	101.301	8.3	88.5	3.2
W076-1-165	62.286	23.981	0.251	0.018	5.497	0.014	0.349	8.061	100.457	4.7	91.6	3.7
W076-1-166	65.246	19.187	0.140	0.006	0.132	1.121	13.084	2.693	101.609	0.0	92.1	7.9
W076-1-167	64.974	18.937	0.127	0.002	0.111	1.140	14.019	1.970	101.280	0.0	92.5	7.5
W076-1-168	64.483	19.216	0.222	0.000	0.100	0.973	13.401	2.192	100.587	0.0	93.2	6.8
W076-1-169	62.653	23.843	0.283	0.000	4.940	0.088	0.408	8.453	100.668	0.0	82.3	17.7
W076-1-170	60.920	24.519	0.266	0.003	5.636	0.097	0.395	8.252	100.088	0.6	79.8	19.6
W076-1-172	61.864	24.827	0.255	0.007	6.106	0.245	0.301	7.894	101.499	1.3	54.4	44.3
W076-1-173	61.816	24.035	0.250	0.010	5.382	0.181	0.424	8.299	100.397	1.6	68.9	29.4
W076-1-174	62.002	24.643	0.259	0.010	5.744	0.139	0.357	7.993	101.147	2.0	70.6	27.5
W076-1-175	63.075	23.934	0.231	0.000	4.854	0.120	0.294	8.282	100.790	0.0	71.0	29.0
W076-1-176	62.041	23.824	0.258	0.000	5.350	0.083	0.442	8.163	100.161	0.0	84.2	15.8
W076-1-177	62.087	24.494	0.251	0.002	5.485	0.231	0.620	7.821	100.991	0.2	72.7	27.1
W076-1-178	61.954	24.515	0.241	0.019	5.765	0.046	0.553	7.918	101.011	3.1	89.5	7.4
W076-1-179	61.899	24.537	0.276	0.016	5.657	0.144	0.554	7.807	100.890	2.2	77.6	20.2
W076-1-180	61.962	24.423	0.279	0.009	5.699	0.227	0.602	7.837	101.038	1.1	71.8	27.1
W076-1-181	61.970	24.286	0.311	0.006	5.783	0.042	0.628	7.761	100.787	0.9	92.9	6.2
W076-1-182	62.274	24.265	0.290	0.020	5.490	0.143	0.701	8.240	101.423	2.3	81.1	16.6
W076-1-183	61.654	24.442	0.229	0.013	5.383	0.208	0.616	8.052	100.597	1.6	73.6	24.9
W076-1-184	62.348	24.153	0.264	0.002	5.386	0.134	0.605	7.927	100.819	0.3	81.6	18.1
W076-1-185	62.324	24.143	0.225	0.002	5.388	0.125	0.575	8.070	100.852	0.3	81.9	17.8
W076-1-186	62.615	24.160	0.271	0.000	5.309	0.315	0.610	7.904	101.184	0.0	65.9	34.1
W076-1-187	62.430	23.966	0.248	0.017	4.722	0.139	0.612	8.106	100.240	2.2	79.7	18.1
W076-1-188	62.226	23.753	0.271	0.002	5.141	0.227	0.610	8.417	100.647	0.2	72.7	27.1
W076-1-189	63.622	23.244	0.304	0.000	4.568	0.037	0.660	8.214	100.649	0.0	94.7	5.3

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W076-1-190	63.521	23.387	0.188	0.004	4.476	0.056	0.647	8.402	100.681	0.6	91.5	7.9
W076-1-191	63.049	23.477	0.234	0.000	4.544	0.065	0.710	8.621	100.700	0.0	91.6	8.4
W076-1-192	63.485	23.653	0.219	0.013	4.325	0.139	0.596	8.622	101.052	1.7	79.7	18.6
W076-1-193	63.515	23.674	0.190	0.005	4.553	0.088	0.499	8.560	101.084	0.8	84.3	14.9
W076-1-194	62.263	23.861	0.212	0.030	4.694	0.208	0.382	8.217	99.867	4.8	61.6	33.5
W076-1-195	61.150	25.163	0.207	0.003	6.392	0.060	0.254	7.874	101.103	0.9	80.1	18.9
W076-1-196	63.503	23.610	0.207	0.000	4.615	0.000	0.293	8.282	100.510	0.0	100.0	0.0
W076-1-197	63.285	23.969	0.200	0.000	4.951	0.046	0.328	8.656	101.435	0.0	87.7	12.3
W076-1-199	64.971	22.440	0.220	0.003	3.530	0.129	0.340	9.470	101.103	0.6	72.0	27.3
W076-1-200	65.046	22.260	0.205	0.012	3.090	0.069	0.289	9.159	100.130	3.2	78.1	18.6
W076-1-202	65.302	22.466	0.112	0.002	3.340	0.250	0.273	9.088	100.833	0.4	52.0	47.6
W076-1-210	65.520	22.201	0.233	0.003	2.904	0.056	0.373	9.708	100.998	0.7	86.3	13.0
W076-1-211	63.438	23.515	0.250	0.000	4.809	0.000	0.430	8.648	101.090	0.0	100.0	0.0
W076-1-212	63.383	23.829	0.255	0.000	5.099	0.069	0.465	8.443	101.543	0.0	87.1	12.9
W076-1-213	61.994	24.538	0.202	0.007	5.637	0.199	0.419	7.993	100.989	1.1	67.0	31.8
W076-1-214	62.395	24.004	0.194	0.012	5.302	0.000	0.448	8.341	100.696	2.6	97.4	0.0
W076-1-215	61.409	25.037	0.164	0.015	6.459	0.056	0.368	7.711	101.219	3.4	83.8	12.8
W076-1-216	60.492	24.643	0.204	0.016	6.677	0.000	0.363	6.941	99.336	4.2	95.8	0.0
W076-1-217	62.569	24.265	0.215	0.006	5.181	0.009	0.438	7.939	100.622	1.3	96.7	2.0
W076-1-218	60.463	25.843	0.211	0.000	7.009	0.190	0.299	6.961	100.976	0.0	61.1	38.9
W076-1-220	62.939	23.498	0.236	0.011	4.847	0.111	0.371	8.232	100.245	2.2	75.3	22.5
W076-1-221	63.517	23.343	0.192	0.013	4.881	0.065	0.306	8.443	100.760	3.4	79.7	16.9
W076-1-222	60.651	25.534	0.222	0.009	7.145	0.135	0.171	6.979	100.846	2.9	54.3	42.9
W076-1-225	65.733	22.321	0.104	0.000	2.698	0.009	0.281	9.607	100.753	0.0	96.9	3.1
W076-1-226	65.550	21.719	0.144	0.009	3.225	0.097	0.268	9.274	100.286	2.4	71.7	25.9
W076-1-228	62.171	24.592	0.174	0.016	5.717	0.121	0.354	7.560	100.705	3.3	72.1	24.6
W076-1-230	63.005	23.841	0.258	0.013	4.753	0.046	0.439	8.302	100.657	2.6	88.2	9.2

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W076-1-231	62.380	24.371	0.221	0.009	5.340	0.000	0.423	7.934	100.678	2.1	97.9	0.0
W076-1-232	63.333	23.536	0.214	0.017	4.461	0.042	0.470	8.262	100.335	3.2	88.8	7.9
W076-1-236	63.319	23.655	0.225	0.007	4.540	0.111	0.382	8.363	100.602	1.4	76.4	22.2
W076-1-237	64.242	22.843	0.203	0.000	3.847	0.074	0.440	8.702	100.351	0.0	85.6	14.4
W076-2-1	66.941	21.517	0.141	0.000	1.834	0.000	0.165	10.349	100.947	0.0	100.0	0.0
W076-2-2	65.919	22.524	0.205	0.000	3.076	0.000	0.218	9.481	101.423	0.0	100.0	0.0
W076-2-3	65.241	22.567	0.193	0.023	3.387	0.000	0.262	9.852	101.525	8.1	91.9	0.0
W076-2-4	66.252	22.136	0.148	0.000	2.548	0.032	0.342	9.662	101.120	0.0	91.4	8.6
W076-2-5	65.349	22.925	0.197	0.005	3.574	0.000	0.440	9.020	101.510	1.1	98.9	0.0
W076-2-6	64.907	23.068	0.217	0.003	3.637	0.000	0.533	9.146	101.511	0.6	99.4	0.0
W076-2-7	64.330	22.672	0.214	0.009	3.812	0.106	0.550	8.921	100.614	1.4	82.7	15.9
W076-2-8	64.224	23.116	0.202	0.011	3.991	0.069	0.559	9.141	101.313	1.7	87.5	10.8
W076-2-10	64.161	23.308	0.201	0.004	4.328	0.000	0.594	8.671	101.267	0.7	99.3	0.0
W076-2-11	63.432	22.447	0.216	0.011	4.300	0.158	0.651	8.582	99.797	1.3	79.4	19.3
W076-2-12	64.287	23.031	0.186	0.001	4.091	0.079	0.692	8.561	100.928	0.1	89.6	10.2
W076-2-13	64.070	23.524	0.244	0.001	4.490	0.190	0.554	8.716	101.789	0.1	74.4	25.5
W076-2-14	63.224	23.739	0.204	0.003	4.665	0.190	0.530	8.687	101.242	0.4	73.3	26.3
W076-2-15	62.163	23.875	0.247	0.021	4.623	0.134	0.520	8.404	99.987	3.1	77.0	19.9
W076-2-17	63.746	23.795	0.227	0.071	3.435	0.097	1.827	8.018	101.216	3.6	91.6	4.9
W076-2-19	63.692	22.847	0.183	0.132	3.987	0.023	0.765	8.442	100.071	14.3	83.2	2.5
W076-2-20	63.966	22.729	0.183	0.015	4.011	0.000	0.796	8.640	100.340	1.8	98.2	0.0
W076-2-21	64.353	23.140	0.212	0.054	3.689	0.292	0.717	8.614	101.071	5.1	67.5	27.5
W076-2-22	64.109	23.220	0.233	0.000	4.065	0.000	0.746	8.659	101.032	0.0	100.0	0.0
W076-2-23	63.755	22.598	0.218	0.020	4.212	0.134	0.737	8.409	100.083	2.2	82.7	15.0
W076-2-24	61.833	23.338	0.209	0.022	4.363	0.000	0.777	8.390	98.932	2.8	97.2	0.0
W076-2-25	63.895	23.215	0.217	0.004	4.063	0.060	0.718	8.381	100.553	0.5	91.8	7.7
W076-2-27	64.241	23.328	0.209	0.009	4.059	0.102	0.607	8.843	101.398	1.3	84.5	14.2

W076-2-28	63.531	23.397	0.236	0.032	2.960	0.143	0.841	8.413	99.553	3.1	82.8	14.1
W076-2-29	65.356	22.842	0.110	0.009	3.630	0.060	0.441	9.105	101.553	1.8	86.5	11.8
W076-2-30	63.435	23.406	0.246	0.007	4.026	0.134	0.784	8.208	100.246	0.8	84.8	14.5
W076-2-31	63.864	23.294	0.226	0.000	4.312	0.199	0.859	8.163	100.917	0.0	81.2	18.8
W076-2-32	64.133	23.449	0.211	0.015	4.390	0.014	0.874	8.180	101.266	1.7	96.8	1.6
W076-2-33	63.849	23.361	0.229	0.038	3.797	0.060	0.701	8.249	100.284	4.8	87.7	7.5
W076-2-34	64.078	23.264	0.217	0.012	4.038	0.037	0.658	8.651	100.955	1.7	93.1	5.2
W076-2-35	63.542	23.134	0.192	0.008	4.396	0.000	0.673	8.530	100.475	1.2	98.8	0.0
W076-2-36	63.484	23.070	0.172	0.014	4.117	0.167	0.705	8.150	99.879	1.6	79.6	18.8
W076-2-37	63.977	23.087	0.220	0.000	4.069	0.134	0.595	8.681	100.763	0.0	81.6	18.4
W076-2-38	63.847	23.622	0.146	0.002	4.474	0.213	0.425	8.631	101.360	0.3	66.4	33.3
W076-2-39	63.563	23.629	0.230	0.090	4.366	0.000	0.660	8.296	100.834	12.0	88.0	0.0
W076-2-40	63.802	23.015	0.197	0.000	4.354	0.130	0.562	8.157	100.217	0.0	81.2	18.8
W076-2-41	63.903	23.288	0.261	0.006	3.987	0.153	0.380	8.741	100.719	1.1	70.5	28.4
W076-2-43	63.646	23.618	0.192	0.018	4.423	0.130	0.617	8.249	100.893	2.4	80.7	17.0
W076-2-44	63.478	23.167	0.215	0.019	4.343	0.106	0.709	8.256	100.293	2.3	85.0	12.7
W076-2-45	64.141	22.961	0.218	0.001	3.772	0.000	0.801	8.624	100.518	0.1	99.9	0.0
W076-2-46	64.504	22.933	0.221	0.000	3.944	0.189	0.777	8.603	101.171	0.0	80.4	19.6
W076-2-47	63.947	22.608	0.179	0.006	3.914	0.175	0.896	8.757	100.482	0.6	83.2	16.2
W076-2-48	64.171	22.754	0.183	0.006	3.827	0.221	0.745	8.783	100.690	0.6	76.6	22.7
W076-2-49	63.300	23.238	0.183	0.000	4.114	0.153	0.744	8.486	100.218	0.0	82.9	17.1
W076-2-50	63.491	23.044	0.187	0.002	3.967	0.111	0.852	8.217	99.871	0.2	88.3	11.5
W076-2-51	63.292	23.663	0.231	0.016	4.644	0.120	0.523	8.589	101.078	2.4	79.4	18.2
W076-2-52	63.515	23.431	0.161	0.013	4.793	0.171	0.414	8.387	100.885	2.2	69.2	28.6
W076-2-53	63.394	23.719	0.162	0.008	4.521	0.176	0.793	7.984	100.757	0.8	81.2	18.0
W076-2-54	63.286	23.495	0.198	0.007	4.737	0.000	0.769	7.828	100.320	0.9	99.1	0.0
W076-2-56	63.671	23.449	0.239	0.017	4.506	0.019	0.537	8.541	100.979	3.0	93.7	3.3

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W076-2-57	63.912	23.526	0.180	0.024	4.489	0.102	0.427	8.856	101.516	4.3	77.2	18.4
W076-2-58	63.032	23.404	0.185	0.000	4.586	0.000	0.380	8.542	100.129	0.0	100.0	0.0
W076-2-59	63.642	23.365	0.227	0.003	4.338	0.037	0.633	8.380	100.625	0.4	94.1	5.5
W076-2-60	64.019	23.235	0.210	0.000	4.253	0.283	0.767	8.105	100.872	0.0	73.0	27.0
W076-2-62	64.379	23.251	0.229	0.000	3.984	0.121	0.802	8.552	101.318	0.0	86.9	13.1
W076-2-63	63.617	23.361	0.232	0.006	4.216	0.046	0.752	8.432	100.662	0.7	93.5	5.7
W076-2-64	63.552	23.302	0.192	0.000	4.286	0.000	0.734	8.329	100.395	0.0	100.0	0.0
W076-2-66	64.596	23.139	0.227	0.009	3.408	0.097	0.742	8.703	100.921	1.1	87.5	11.4
W076-2-67	64.809	23.160	0.233	0.003	3.903	0.000	0.801	8.729	101.638	0.4	99.6	0.0
W076-2-68	64.368	23.008	0.207	0.002	3.875	0.000	0.837	8.661	100.958	0.2	99.8	0.0
W076-2-69	65.324	21.657	0.238	0.006	2.836	0.144	0.731	9.058	99.994	0.7	83.0	16.3
W076-2-70	66.297	22.146	0.190	0.011	2.682	0.065	0.665	9.751	101.807	1.5	89.7	8.8
W076-2-71	66.670	21.910	0.210	0.001	2.519	0.093	0.607	9.652	101.662	0.1	86.6	13.3
W076-2-72	66.963	21.745	0.198	0.005	2.257	0.000	0.505	9.735	101.408	1.0	99.0	0.0
W076-2-73	67.200	21.343	0.202	0.000	1.916	0.065	0.541	10.090	101.357	0.0	89.3	10.7
W076-3-1	63.010	23.237	0.254	0.012	4.508	0.060	0.548	8.418	100.047	1.9	88.4	9.7
W076-3-3	63.808	23.485	0.229	0.003	4.056	0.125	0.525	8.874	101.105	0.5	80.4	19.1
W076-3-4	63.829	23.597	0.155	0.012	4.513	0.000	0.436	8.980	101.522	2.7	97.3	0.0
W076-3-6	62.770	23.396	0.229	0.000	4.426	0.093	0.399	8.765	100.078	0.0	81.1	18.9
W076-3-7	66.249	21.631	0.178	0.000	2.439	0.000	0.514	9.678	100.689	0.0	100.0	0.0
W076-3-8	66.305	22.195	0.193	0.017	2.440	0.000	0.740	9.192	101.082	2.2	97.8	0.0
W076-3-9	65.679	22.262	0.201	0.008	2.749	0.000	0.742	9.460	101.101	1.1	98.9	0.0
W076-3-10	65.588	22.462	0.216	0.009	2.954	0.000	0.658	9.277	101.164	1.3	98.7	0.0
W076-3-12	63.628	23.441	0.215	0.003	4.356	0.084	0.573	8.728	101.028	0.5	86.8	12.7
W076-3-14	63.512	22.997	0.191	0.000	4.350	0.088	0.725	8.620	100.483	0.0	89.2	10.8
W076-3-15	63.778	23.215	0.237	0.010	4.351	0.028	0.724	8.252	100.595	1.3	95.0	3.7
W076-3-17	63.823	23.478	0.218	0.013	4.364	0.148	0.732	8.571	101.347	1.5	82.0	16.6

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W076-3-18	63.378	23.277	0.214	0.000	4.090	0.153	0.704	8.808	100.624	0.0	82.1	17.9
W076-3-19	63.630	22.616	0.250	0.007	4.272	0.000	0.694	8.280	99.749	1.0	99.0	0.0
W076-3-20	63.184	23.193	0.200	0.016	4.387	0.079	0.801	8.647	100.507	1.8	89.4	8.8
W076-3-21	63.507	23.647	0.254	0.000	4.665	0.241	0.790	8.417	101.521	0.0	76.6	23.4
W076-3-22	63.809	23.462	0.238	0.012	4.198	0.097	0.842	8.421	101.079	1.3	88.5	10.2
W076-3-23	63.530	23.221	0.223	0.016	4.375	0.000	0.947	8.552	100.864	1.7	98.3	0.0
W076-3-25	63.350	23.338	0.267	0.022	4.742	0.093	0.803	8.228	100.843	2.4	87.5	10.1
W076-3-26	63.510	23.601	0.227	0.005	4.501	0.130	0.681	8.491	101.146	0.6	83.5	15.9
W076-3-27	63.474	23.647	0.224	0.025	4.495	0.209	0.791	8.598	101.463	2.4	77.2	20.4
W076-3-28	63.737	23.430	0.262	0.010	4.386	0.176	0.912	8.642	101.555	0.9	83.1	16.0
W076-3-29	63.906	23.405	0.227	0.007	4.517	0.093	0.889	8.441	101.485	0.7	89.9	9.4
W076-3-30	63.048	23.368	0.221	0.013	4.211	0.014	1.167	8.276	100.318	1.1	97.7	1.2
W076-3-32	63.698	23.469	0.198	0.011	4.580	0.000	0.889	8.175	101.020	1.2	98.8	0.0
W076-3-33	64.520	22.898	0.271	0.019	3.819	0.181	1.204	8.470	101.382	1.4	85.8	12.9
W076-3-35	63.956	23.369	0.222	0.007	4.278	0.088	0.884	8.689	101.493	0.7	90.3	9.0
W076-3-36	63.812	23.168	0.246	0.015	4.481	0.037	0.885	8.302	100.946	1.6	94.5	3.9
W076-3-38	61.826	23.203	0.158	0.000	4.520	0.199	0.763	8.258	98.927	0.0	79.3	20.7
W076-3-39	63.185	23.521	0.292	0.014	4.721	0.000	0.679	8.128	100.540	2.0	98.0	0.0
W076-3-40	63.475	23.813	0.234	0.021	4.673	0.107	0.787	8.491	101.601	2.3	86.0	11.7
W076-3-42	62.605	23.446	0.240	0.173	4.509	0.083	0.695	8.074	99.825	18.2	73.1	8.7
W076-3-43	63.163	23.539	0.238	0.000	4.499	0.023	0.816	8.340	100.618	0.0	97.3	2.7
W076-3-44	63.405	23.602	0.268	0.007	4.503	0.218	0.839	8.370	101.212	0.7	78.9	20.5
W076-3-45	63.330	23.486	0.241	0.011	4.631	0.074	0.846	8.392	101.011	1.2	90.9	7.9
W076-3-46	63.827	23.494	0.292	0.026	4.482	0.000	0.867	8.183	101.171	2.9	97.1	0.0
W076-3-47	63.789	23.112	0.196	0.009	4.584	0.158	0.819	8.405	101.072	0.9	83.1	16.0
W076-3-48	63.901	23.318	0.251	0.001	4.192	0.116	0.911	8.083	100.773	0.1	88.6	11.3
W076-3-49	63.687	23.253	0.207	0.014	4.231	0.176	0.910	8.540	101.018	1.3	82.7	16.0

W076-3-50	64.055	22.915	0.252	0.021	4.231	0.158	0.957	8.230	100.819	1.8	84.2	13.9
W076-3-51	63.925	23.298	0.240	0.003	4.371	0.032	0.866	8.062	100.797	0.3	96.1	3.6
W076-3-53	63.692	23.611	0.244	0.020	4.447	0.000	0.874	8.437	101.325	2.2	97.8	0.0
W076-3-54	64.078	23.375	0.212	0.000	4.353	0.172	0.991	8.453	101.634	0.0	85.2	14.8
W076-3-55	63.652	23.628	0.241	0.011	4.526	0.176	0.843	8.610	101.687	1.1	81.8	17.1
W076-3-56	64.082	23.122	0.194	0.000	4.319	0.051	0.823	8.099	100.690	0.0	94.2	5.8
W076-3-57	63.460	23.519	0.150	0.000	4.401	0.037	0.798	8.585	100.950	0.0	95.6	4.4
W076-3-58	63.250	23.176	0.357	0.023	4.609	0.023	0.844	8.393	100.675	2.6	94.8	2.6
W076-3-59	63.860	23.318	0.251	0.007	4.515	0.116	0.814	8.592	101.473	0.7	86.9	12.4
W076-3-60	63.315	23.332	0.255	0.000	4.423	0.000	0.802	8.327	100.454	0.0	100.0	0.0
W076-3-61	63.141	23.138	0.169	0.000	4.581	0.005	0.844	8.288	100.166	0.0	99.4	0.6
W076-3-62	63.387	23.009	0.240	0.018	4.580	0.102	0.807	8.237	100.380	1.9	87.1	11.0
W076-3-64	62.545	22.192	0.209	0.003	4.559	0.093	0.743	8.181	98.525	0.4	88.6	11.1
W076-3-65	63.152	23.526	0.244	0.007	4.591	0.046	0.779	8.613	100.958	0.8	93.6	5.5
W076-3-66	63.547	23.288	0.253	0.014	4.459	0.000	0.746	8.499	100.806	1.8	98.2	0.0
W076-3-67	63.297	23.178	0.257	0.006	4.370	0.028	0.804	8.448	100.388	0.7	95.9	3.3
W076-3-68	63.652	23.184	0.195	0.013	4.288	0.000	0.785	8.659	100.776	1.6	98.4	0.0
W076-3-69	63.690	23.214	0.227	0.006	3.697	0.000	0.875	8.561	100.270	0.7	99.3	0.0
W076-3-70	62.341	23.587	1.219	0.018	4.913	0.083	0.763	8.503	101.427	2.1	88.3	9.6
W076-3-71	62.726	23.463	0.220	0.000	4.609	0.121	0.694	8.279	100.112	0.0	85.2	14.8
W076-3-72	63.677	23.485	0.245	0.010	4.531	0.000	0.692	8.667	101.307	1.4	98.6	0.0
W076-3-73	62.758	23.358	0.241	0.000	4.465	0.000	0.759	7.937	99.518	0.0	100.0	0.0
W076-3-74	63.415	23.306	0.196	0.006	4.278	0.000	0.874	8.678	100.753	0.7	99.3	0.0
W076-3-75	64.599	22.818	0.210	0.008	3.997	0.000	0.856	8.700	101.188	0.9	99.1	0.0
W076-3-77	64.747	22.681	0.230	0.015	3.796	0.042	0.842	8.822	101.175	1.7	93.7	4.7
W076-3-78	65.062	22.896	0.198	0.000	3.600	0.079	0.882	8.928	101.645	0.0	91.8	8.2
W076-3-79	64.973	22.410	0.290	0.001	3.450	0.000	1.022	8.913	101.059	0.1	99.9	0.0

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W076-3-80	65.026	22.469	0.181	0.013	3.395	0.000	0.931	8.953	100.968	1.4	98.6	0.0
W076-3-81	65.573	22.617	0.189	0.013	3.337	0.033	0.958	9.223	101.943	1.3	95.4	3.3
W076-3-82	64.321	22.272	0.211	0.000	3.308	0.000	0.934	9.000	100.046	0.0	100.0	0.0
W076-3-83	65.711	22.391	0.198	0.007	2.943	0.000	1.023	9.342	101.615	0.7	99.3	0.0
W076-3-84	65.383	22.138	0.175	0.011	2.936	0.000	0.951	8.982	100.576	1.1	98.9	0.0
W076-3-85	66.342	22.153	0.199	0.002	2.919	0.000	0.942	9.305	101.862	0.2	99.8	0.0
W076-3-87	66.277	22.240	0.228	0.017	2.557	0.000	0.700	9.584	101.603	2.4	97.6	0.0
W076-3-88	65.080	22.710	0.069	0.003	3.321	0.070	0.267	9.752	101.272	0.9	78.5	20.6
W076-3-89	66.111	21.996	0.199	0.007	2.577	0.000	0.743	9.763	101.396	0.9	99.1	0.0
W076-3-90	66.516	21.784	0.192	0.001	2.469	0.028	0.596	9.801	101.387	0.2	95.4	4.5
W076-3-91	67.055	21.885	0.167	0.027	2.058	0.074	0.374	10.047	101.687	5.7	78.7	15.6
W076-3-92	66.952	21.840	0.181	0.006	2.169	0.037	0.446	10.168	101.799	1.2	91.2	7.6
W076-3-93	66.284	22.150	0.168	0.010	2.347	0.000	0.468	9.996	101.423	2.1	97.9	0.0
W076-3-94	66.655	22.092	0.198	0.001	2.157	0.037	0.363	9.913	101.416	0.2	90.5	9.2
W076-3-96	66.246	21.423	0.165	0.012	2.286	0.000	0.658	10.059	100.849	1.8	98.2	0.0
W076-3-97	67.083	21.794	0.175	0.000	2.122	0.005	0.730	9.747	101.656	0.0	99.3	0.7
W076-3-98	66.499	21.682	0.180	0.000	2.076	0.032	0.877	9.851	101.197	0.0	96.5	3.5
W076-3-99	66.327	21.707	0.213	0.021	2.173	0.102	0.713	9.696	100.952	2.5	85.3	12.2
W076-3-100	66.827	21.585	0.193	0.013	2.096	0.116	0.556	9.851	101.237	1.9	81.2	16.9
W076-3-101	66.162	20.839	0.141	0.009	2.160	0.097	0.482	10.278	100.168	1.5	82.0	16.5
W076-3-102	66.886	21.874	0.173	0.000	2.319	0.097	0.413	9.999	101.761	0.0	81.0	19.0
W076-3-103	66.323	22.055	0.120	0.015	2.511	0.000	0.371	9.868	101.263	3.9	96.1	0.0
W076-3-104	68.680	20.689	0.064	0.016	0.848	0.116	0.212	11.092	101.717	4.7	61.6	33.7
W076-5-1	66.881	22.312	0.128	0.000	2.308	0.048	0.336	9.934	101.947	0.0	87.5	12.5
W076-5-2	66.633	22.137	0.166	0.000	2.390	0.022	0.372	10.003	101.723	0.0	94.4	5.6
W076-5-3	66.760	21.733	0.151	0.000	2.334	0.151	0.413	9.794	101.336	0.0	73.2	26.8
W076-5-5	64.222	23.261	0.225	0.012	4.199	0.061	0.556	8.370	100.906	1.9	88.4	9.7

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W076-5-6	63.662	23.043	0.218	0.000	3.835	0.074	0.686	8.406	99.924	0.0	90.3	9.7
W076-5-7	63.457	23.277	0.264	0.005	4.400	0.108	0.618	8.385	100.514	0.7	84.5	14.8
W076-5-8	63.822	23.553	0.236	0.006	4.285	0.000	0.719	8.535	101.156	0.8	99.2	0.0
W076-5-9	63.944	23.715	0.225	0.002	4.360	0.113	0.672	8.626	101.657	0.3	85.4	14.4
W076-5-10	63.646	23.140	0.202	0.013	4.488	0.078	0.731	8.168	100.466	1.6	88.9	9.5
W076-5-11	63.302	23.061	0.218	0.002	4.335	0.151	0.772	7.945	99.786	0.2	83.5	16.3
W076-5-12	62.909	23.763	0.198	0.011	4.418	0.000	0.677	8.298	100.274	1.6	98.4	0.0
W076-5-13	63.469	23.190	0.201	0.000	4.380	0.177	0.774	8.376	100.567	0.0	81.4	18.6
W076-5-14	64.139	23.257	0.235	0.009	4.265	0.004	0.570	8.767	101.246	1.5	97.8	0.7
W076-5-16	64.040	23.493	0.239	0.007	4.251	0.143	0.829	8.521	101.523	0.7	84.7	14.6
W076-5-17	63.850	23.145	0.182	0.011	3.999	0.074	0.755	8.491	100.507	1.3	89.9	8.8
W076-5-18	63.613	23.136	0.246	0.005	3.973	0.000	0.661	8.571	100.205	0.8	99.2	0.0
W076-5-19	64.148	22.976	0.254	0.000	3.822	0.091	0.752	8.902	100.945	0.0	89.2	10.8
W076-5-20	63.800	23.211	0.198	0.000	3.973	0.095	0.800	8.167	100.244	0.0	89.4	10.6
W076-5-21	63.778	22.008	0.225	0.006	4.173	0.000	0.739	8.430	99.359	0.8	99.2	0.0
W076-5-22	64.070	23.128	0.207	0.004	4.229	0.000	0.776	8.573	100.987	0.5	99.5	0.0
W076-5-23	64.236	23.238	0.227	0.013	4.250	0.173	0.739	8.303	101.179	1.4	79.9	18.7
W076-5-24	63.890	23.187	0.203	0.002	4.034	0.138	0.802	8.458	100.714	0.2	85.1	14.6
W076-5-25	64.470	22.628	0.224	0.007	3.888	0.000	0.898	8.830	100.945	0.8	99.2	0.0
W076-5-26	64.018	23.290	0.158	0.004	4.094	0.195	0.816	8.828	101.403	0.4	80.4	19.2
W076-5-27	64.725	23.453	0.213	0.013	4.109	0.000	0.649	8.831	101.993	2.0	98.0	0.0
W076-5-28	64.274	22.985	0.203	0.003	3.693	0.000	0.683	8.661	100.502	0.4	99.6	0.0
W076-5-29	64.664	23.332	0.277	0.000	4.069	0.087	0.494	8.712	101.635	0.0	85.0	15.0
W076-5-30	63.341	23.707	0.265	0.020	4.841	0.000	0.347	8.491	101.012	5.4	94.6	0.0
W076-5-31	62.585	24.182	0.221	0.007	4.945	0.169	0.310	8.433	100.852	1.4	63.8	34.8
W076-5-33	63.571	23.132	0.342	0.012	4.315	0.000	0.433	8.825	100.630	2.7	97.3	0.0
W076-5-34	64.926	22.956	0.343	0.000	3.665	0.095	0.534	8.896	101.415	0.0	84.9	15.1

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W076-5-35	65.034	22.563	0.458	0.021	3.409	0.000	0.545	9.128	101.158	3.7	96.3	0.0
W076-5-36	64.602	22.415	0.383	0.016	3.523	0.022	0.464	8.695	100.120	3.2	92.4	4.4
W076-5-37	65.410	22.003	0.308	0.017	3.074	0.000	0.510	9.370	100.692	3.2	96.8	0.0
W076-5-38	63.367	23.732	0.293	0.017	4.919	0.009	0.307	8.765	101.409	5.1	92.2	2.7
W076-5-39	62.572	24.526	0.232	0.013	5.649	0.026	0.322	8.256	101.596	3.6	89.2	7.2
W076-5-40	62.090	24.085	0.234	0.007	5.229	0.000	0.327	8.391	100.363	2.1	97.9	0.0
W076-5-41	62.778	24.153	0.242	0.017	5.563	0.065	0.324	8.075	101.217	4.2	79.8	16.0
W076-5-42	63.893	23.497	0.270	0.000	4.495	0.126	0.450	8.388	101.119	0.0	78.1	21.9
W076-5-43	62.686	24.234	0.191	0.011	5.428	0.061	0.369	8.399	101.379	2.5	83.7	13.8
W076-5-44	62.568	24.315	0.235	0.032	5.604	0.169	0.241	8.585	101.749	7.2	54.5	38.2
W076-5-45	63.935	23.637	0.286	0.009	4.661	0.182	0.295	8.753	101.758	1.9	60.7	37.4
W076-5-46	63.577	23.881	0.242	0.034	4.318	0.160	0.434	8.235	100.881	5.4	69.1	25.5
W076-5-47	62.271	24.238	0.272	0.009	5.812	0.191	0.380	7.685	100.858	1.6	65.5	32.9
W076-5-48	62.142	24.517	0.178	0.003	5.918	0.109	0.337	7.944	101.148	0.7	75.1	24.3
W076-5-49	63.704	23.502	0.223	0.019	4.709	0.278	0.477	8.541	101.453	2.5	61.6	35.9
W076-5-51	62.802	24.223	0.202	0.010	5.412	0.147	0.354	8.218	101.368	2.0	69.3	28.8
W076-5-53	64.459	22.720	0.190	0.001	3.661	0.143	0.350	9.076	100.600	0.2	70.9	28.9
W076-5-54	64.484	23.326	0.203	0.000	3.882	0.087	0.309	9.022	101.313	0.0	78.0	22.0
W076-5-55	64.758	22.909	0.201	0.018	3.791	0.152	0.240	9.165	101.234	4.4	58.5	37.1
W076-5-56	64.139	23.546	0.208	0.022	4.129	0.013	0.218	9.198	101.473	8.7	86.2	5.1
W076-5-57	63.884	23.794	0.230	0.000	4.496	0.113	0.311	8.922	101.750	0.0	73.3	26.7
W076-5-59	63.898	23.406	0.232	0.000	4.161	0.082	0.295	8.644	100.718	0.0	78.2	21.8
W076-5-61	64.665	23.342	0.252	0.021	3.898	0.095	0.240	9.092	101.605	5.9	67.4	26.7
W076-5-62	64.855	22.849	0.206	0.000	3.862	0.130	0.505	9.294	101.701	0.0	79.5	20.5
W076-5-63	64.044	23.578	0.147	0.014	4.282	0.000	0.595	8.671	101.331	2.3	97.7	0.0
W076-5-64	63.698	23.385	0.242	0.000	4.651	0.091	0.620	8.265	100.952	0.0	87.2	12.8
W076-5-65	64.404	22.484	0.238	0.000	4.021	0.148	0.663	8.832	100.790	0.0	81.8	18.2

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W076-5-66	64.539	23.323	0.212	0.011	4.011	0.221	0.631	8.609	101.557	1.3	73.1	25.6
W076-5-67	64.470	23.173	0.212	0.000	4.197	0.026	0.623	8.674	101.375	0.0	96.0	4.0
W076-5-68	64.600	23.110	0.226	0.011	4.008	0.048	0.596	8.579	101.178	1.7	91.0	7.3
W076-5-69	62.396	24.618	0.198	0.003	5.711	0.074	0.440	7.888	101.328	0.6	85.1	14.3
W076-5-72	63.133	24.020	0.247	0.006	4.774	0.013	0.439	8.296	100.928	1.3	95.9	2.8
W076-5-73	62.873	24.242	0.230	0.022	5.363	0.213	0.449	8.380	101.772	3.2	65.6	31.1
W076-5-74	63.704	23.754	0.226	0.019	4.817	0.009	0.445	8.517	101.491	4.0	94.1	1.9
W076-5-75	62.852	24.365	0.204	0.008	5.183	0.191	0.462	8.235	101.500	1.2	69.9	28.9
W076-5-76	62.623	24.357	0.270	0.002	5.512	0.087	0.428	7.994	101.273	0.4	82.8	16.8
W076-5-77	62.262	24.143	0.197	0.013	5.337	0.104	0.376	8.054	100.486	2.6	76.3	21.1
W076-5-78	63.453	23.771	0.218	0.011	4.830	0.078	0.260	8.403	101.024	3.2	74.5	22.3
W076-5-79	63.675	23.517	0.243	0.000	4.520	0.104	0.321	8.505	100.885	0.0	75.5	24.5
W076-5-80	62.339	24.437	0.290	0.006	5.527	0.087	0.321	8.248	101.255	1.4	77.5	21.0
W076-5-81	62.839	23.775	0.199	0.011	4.872	0.087	0.429	8.313	100.525	2.1	81.4	16.5
W076-5-82	64.066	23.299	0.219	0.014	4.279	0.135	0.503	8.775	101.290	2.1	77.1	20.7
W076-5-83	63.897	24.166	0.247	0.012	4.733	0.143	0.279	8.305	101.782	2.8	64.3	32.9
W076-5-84	65.737	23.017	0.221	0.006	3.226	0.082	0.242	9.298	101.829	1.8	73.3	24.8
W076-5-85	65.742	22.780	0.180	0.000	2.821	0.043	0.247	9.339	101.152	0.0	85.2	14.8
W076-5-86	66.854	21.945	0.239	0.002	2.202	0.009	0.288	10.037	101.576	0.7	96.3	3.0
W076-5-87	66.425	22.044	0.304	0.011	2.323	0.000	0.403	9.571	101.081	2.7	97.3	0.0
W076-5-88	65.343	23.168	0.189	0.011	3.340	0.117	0.313	9.232	101.713	2.5	71.0	26.5
W076-5-90	63.609	23.230	0.209	0.005	4.540	0.130	0.329	8.800	100.852	1.1	70.9	28.0
W076-5-91	63.738	23.566	0.243	0.000	4.283	0.056	0.397	8.537	100.820	0.0	87.6	12.4
W076-5-92	63.545	23.573	0.259	0.015	4.614	0.213	0.395	8.191	100.805	2.4	63.4	34.2
W076-5-93	63.290	23.864	0.227	0.013	4.569	0.004	0.383	8.704	101.054	3.3	95.8	1.0
W076-5-94	62.848	23.455	0.222	0.000	4.289	0.078	0.303	8.706	99.901	0.0	79.5	20.5
W076-5-96	66.215	21.436	0.373	0.000	2.585	0.000	0.290	9.468	100.367	0.0	100.0	0.0

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W076-5-97	64.084	23.261	0.295	0.021	3.693	0.165	0.515	8.561	100.595	3.0	73.5	23.5
W076-5-100	63.660	23.794	0.253	0.016	4.550	0.061	0.421	8.667	101.422	3.2	84.5	12.2
W076-5-101	63.424	23.798	0.211	0.000	4.645	0.100	0.418	8.743	101.339	0.0	80.7	19.3
W076-5-103	63.721	23.104	0.245	0.007	4.520	0.173	0.479	8.122	100.371	1.1	72.7	26.3
W076-5-104	62.655	23.642	0.212	0.010	5.030	0.004	0.459	8.346	100.358	2.1	97.0	0.8
W076-5-105	63.793	23.439	0.191	0.013	4.409	0.056	0.494	8.355	100.750	2.3	87.7	9.9
W076-5-107	64.520	23.023	0.256	0.000	3.864	0.048	0.505	8.808	101.024	0.0	91.3	8.7
W076-5-108	63.537	23.080	0.233	0.017	4.510	0.143	0.527	8.418	100.465	2.5	76.7	20.8
W076-5-109	63.492	23.482	0.222	0.013	4.095	0.000	0.508	8.352	100.164	2.5	97.5	0.0
W076-5-110	65.150	22.590	0.220	0.021	3.398	0.030	0.584	9.218	101.211	3.3	92.0	4.7
W076-5-111	63.853	23.157	0.279	0.019	4.354	0.035	0.604	8.461	100.762	2.9	91.8	5.3
W076-5-112	63.351	22.533	0.208	0.000	4.542	0.148	0.674	8.287	99.743	0.0	82.0	18.0
W076-5-113	64.493	22.493	0.260	0.003	3.827	0.069	0.633	8.729	100.507	0.4	89.8	9.8
W076-5-114	63.441	23.230	0.207	0.003	3.967	0.061	0.660	8.521	100.090	0.4	91.2	8.4
W076-5-115	63.112	23.796	0.259	0.002	5.086	0.065	0.454	8.390	101.164	0.4	87.1	12.5
W076-5-116	64.512	23.145	0.269	0.004	4.119	0.056	0.472	8.942	101.519	0.8	88.7	10.5
W076-5-117	66.063	22.338	0.307	0.005	2.974	0.035	0.458	9.458	101.638	1.0	92.0	7.0
W076-5-118	64.739	22.818	0.281	0.013	3.634	0.061	0.446	9.044	101.036	2.5	85.8	11.7
W076-5-119	63.473	23.269	0.209	0.002	4.539	0.161	0.388	8.665	100.706	0.4	70.4	29.2
W076-5-120	63.634	23.497	0.201	0.010	4.571	0.013	0.388	8.447	100.761	2.4	94.4	3.2
W076-5-121	63.652	23.642	0.179	0.016	4.721	0.082	0.329	8.654	101.275	3.7	77.0	19.2
W076-5-122	63.716	23.393	0.131	0.013	3.860	0.178	0.351	8.660	100.302	2.4	64.8	32.8
W076-5-123	64.012	22.949	0.259	0.000	3.732	0.217	0.486	8.789	100.444	0.0	69.1	30.9
W076-5-124	63.288	23.297	0.236	0.000	4.373	0.143	0.519	8.247	100.103	0.0	78.4	21.6
W076-5-125	61.331	24.664	0.225	0.014	6.061	0.035	0.428	7.405	100.163	2.9	89.7	7.3
W076-5-126	62.703	23.615	0.219	0.004	4.779	0.039	0.570	7.805	99.734	0.7	93.0	6.4
W076-5-127	62.632	24.047	0.214	0.004	5.358	0.091	0.459	8.156	100.961	0.7	82.9	16.4

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W076-5-128	64.576	22.632	0.234	0.002	3.881	0.052	0.485	8.832	100.694	0.4	90.0	9.6
W076-5-129	63.878	23.195	0.198	0.000	3.714	0.191	0.416	8.496	100.088	0.0	68.5	31.5
W076-5-131	63.606	23.482	0.230	0.008	4.661	0.108	0.638	8.314	101.047	1.1	84.6	14.3
W076-5-132	63.833	23.239	0.230	0.017	4.170	0.030	0.591	8.539	100.649	2.7	92.6	4.7
W076-5-133	64.284	23.149	0.198	0.000	3.930	0.004	0.631	8.471	100.667	0.0	99.4	0.6
W076-5-134	63.660	23.454	0.213	0.004	4.430	0.078	0.584	8.487	100.910	0.6	87.7	11.7
W076-5-135	67.467	21.909	0.102	0.007	1.600	0.143	0.182	9.995	101.405	2.1	54.8	43.1
W076-5-136	67.440	21.618	0.052	0.000	1.652	0.108	0.250	10.069	101.189	0.0	69.8	30.2
W076-5-137	68.480	21.182	0.125	0.001	0.686	0.035	0.186	10.608	101.303	0.5	83.8	15.8
W076-5-138	69.093	20.925	0.130	0.000	0.470	0.000	0.117	10.869	101.604	0.0	100.0	0.0
W076-5-139	68.953	20.929	0.150	0.000	0.496	0.056	0.154	10.655	101.393	0.0	73.3	26.7
W076-5-142	66.115	22.220	0.245	0.000	2.637	0.026	0.562	9.394	101.199	0.0	95.6	4.4
W076-5-143	65.124	22.061	0.210	0.000	2.691	0.013	0.608	9.362	100.069	0.0	97.9	2.1
W076-5-144	65.852	21.752	0.186	0.000	2.510	0.069	0.691	9.596	100.656	0.0	90.9	9.1
W076-5-145	66.359	21.804	0.223	0.000	2.450	0.047	0.664	9.689	101.236	0.0	93.4	6.6
W076-5-146	65.634	22.115	0.212	0.004	2.390	0.000	0.672	9.606	100.633	0.6	99.4	0.0
W076-5-147	66.581	22.019	0.219	0.007	2.316	0.000	0.584	9.514	101.240	1.2	98.8	0.0
W076-5-148	66.783	22.144	0.201	0.000	2.309	0.078	0.561	9.632	101.708	0.0	87.8	12.2
W076-5-149	66.124	22.155	0.163	0.003	2.435	0.134	0.580	9.675	101.269	0.4	80.9	18.7
W076-5-150	65.811	21.814	0.166	0.006	2.280	0.026	0.571	9.756	100.430	1.0	94.7	4.3
W076-5-151	66.577	21.821	0.193	0.019	2.278	0.035	0.513	9.768	101.204	3.4	90.5	6.2
W076-5-152	66.245	22.343	0.125	0.000	2.781	0.000	0.448	9.426	101.368	0.0	100.0	0.0
W076-5-153	66.943	21.831	0.191	0.007	2.022	0.234	0.594	9.805	101.627	0.8	71.1	28.0
W076-5-154	66.669	21.832	0.203	0.002	2.133	0.082	0.598	9.537	101.056	0.3	87.7	12.0
W076-5-155	66.840	21.769	0.195	0.008	2.202	0.026	0.657	9.697	101.394	1.2	95.1	3.8
W076-5-157	66.552	21.645	0.232	0.003	2.306	0.000	0.697	9.793	101.228	0.4	99.6	0.0
W076-5-158	66.879	21.797	0.171	0.021	2.341	0.000	0.669	9.719	101.597	3.0	97.0	0.0

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W076-5-159	66.362	21.990	0.214	0.000	2.205	0.000	0.540	9.649	100.960	0.0	100.0	0.0
W076-5-160	65.287	21.583	0.225	0.000	2.460	0.004	0.384	9.598	99.541	0.0	99.0	1.0
W076-5-161	66.157	22.211	0.119	0.000	2.309	0.000	0.233	9.801	100.830	0.0	100.0	0.0
W076-5-162	66.401	21.553	0.200	0.002	2.208	0.130	0.251	10.066	100.811	0.5	65.5	33.9
W076-5-163	66.788	21.961	0.215	0.005	2.138	0.069	0.240	10.048	101.464	1.6	76.4	22.0
W076-5-166	66.346	21.852	0.102	0.017	2.160	0.000	0.132	9.992	100.601	11.4	88.6	0.0
W076-5-167	66.218	21.982	0.165	0.023	2.564	0.000	0.144	9.499	100.595	13.8	86.2	0.0
W076-5-168	66.453	22.407	0.167	0.000	2.612	0.126	0.239	9.534	101.538	0.0	65.5	34.5
W076-5-169	64.256	22.760	0.242	0.007	3.945	0.000	0.302	9.167	100.679	2.3	97.7	0.0
W076-5-171	64.391	22.523	0.243	0.003	3.834	0.122	0.515	8.794	100.425	0.5	80.5	19.1
W076-5-172	63.777	23.114	0.212	0.004	4.063	0.000	0.379	8.566	100.115	1.0	99.0	0.0
W076-5-173	63.746	23.302	0.215	0.000	4.476	0.013	0.546	8.636	100.934	0.0	97.7	2.3
W076-5-174	64.206	23.410	0.239	0.016	3.976	0.074	0.655	8.791	101.367	2.1	87.9	9.9
W076-5-175	63.932	23.238	0.167	0.000	3.964	0.069	0.713	8.666	100.749	0.0	91.2	8.8
W076-5-179	63.616	23.329	0.191	0.011	4.283	0.122	0.586	8.660	100.798	1.5	81.5	17.0
W076-5-180	63.817	23.505	0.226	0.005	4.408	0.069	0.532	8.609	101.171	0.8	87.8	11.4
W076-5-181	63.691	23.306	0.249	0.000	4.332	0.139	0.608	8.667	100.992	0.0	81.4	18.6
W076-5-182	63.417	23.293	0.242	0.010	4.628	0.100	0.618	8.428	100.736	1.4	84.9	13.7
W076-5-183	63.399	23.657	0.236	0.000	4.479	0.035	0.665	8.436	100.907	0.0	95.0	5.0
W076-5-184	63.597	23.325	0.199	0.007	4.388	0.122	0.512	8.249	100.399	1.1	79.9	19.0
W076-5-185	63.404	22.613	0.235	0.000	4.459	0.139	0.538	8.208	99.596	0.0	79.5	20.5
W076-5-186	63.594	23.604	0.236	0.009	4.290	0.082	0.530	8.357	100.702	1.4	85.3	13.2
W076-4-1	66.655	22.316	0.195	0.000	2.251	0.022	0.622	9.610	101.671	0.0	96.6	3.4
W076-4-3	67.120	21.815	0.115	0.000	1.854	0.074	0.511	10.161	101.650	0.0	87.4	12.6
W076-4-4	67.407	21.794	0.099	0.000	1.635	0.174	0.445	10.015	101.569	0.0	71.9	28.1
W076-4-5	68.174	20.893	0.080	0.008	0.744	0.061	0.422	10.851	101.233	1.6	85.9	12.4
W076-4-7	68.187	20.742	0.055	0.000	0.561	0.000	0.271	10.918	100.734	0.0	100.0	0.0

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W076-4-8	67.874	21.052	0.057	0.006	1.230	0.000	0.340	10.670	101.229	1.7	98.3	0.0
W076-4-9	67.611	20.631	0.040	0.000	0.583	0.000	0.291	10.893	100.049	0.0	100.0	0.0
W076-4-10	68.929	20.739	0.055	0.000	0.508	0.017	0.348	10.828	101.424	0.0	95.3	4.7
W076-4-11	66.654	21.451	0.077	0.005	1.833	0.013	0.498	10.103	100.634	1.0	96.5	2.5
W076-4-13	67.223	21.598	0.112	0.000	1.702	0.061	0.454	10.510	101.660	0.0	88.2	11.8
W076-4-14	67.179	21.057	0.019	0.008	0.967	0.160	0.333	10.629	100.352	1.6	66.5	31.9
W076-4-15	65.798	21.924	0.113	0.000	2.392	0.013	0.419	9.923	100.582	0.0	97.0	3.0
W076-4-16	66.486	22.095	0.172	0.000	2.526	0.061	0.723	9.702	101.765	0.0	92.2	7.8
W076-4-17	65.698	22.707	0.296	0.062	0.910	0.312	1.799	9.202	100.986	2.9	82.8	14.4
W076-4-18	66.809	21.593	0.090	0.009	1.595	0.000	0.272	10.600	100.968	3.2	96.8	0.0
W076-4-19	66.608	21.358	0.109	0.001	2.044	0.043	0.319	9.856	100.338	0.3	87.9	11.8
W076-4-20	66.886	21.792	0.092	0.000	2.166	0.030	0.382	9.762	101.110	0.0	92.7	7.3
W076-4-21	66.462	21.546	0.143	0.000	2.046	0.091	0.418	9.929	100.635	0.0	82.1	17.9
W076-4-22	66.966	21.867	0.199	0.000	2.181	0.069	0.543	9.628	101.453	0.0	88.7	11.3
W076-4-23	64.979	21.908	0.175	0.000	2.513	0.004	0.537	9.060	99.176	0.0	99.3	0.7
W076-4-24	66.351	22.317	0.189	0.013	2.586	0.095	0.593	9.438	101.582	1.9	84.6	13.6
W076-4-25	66.570	22.283	0.235	0.009	2.529	0.104	0.437	9.818	101.985	1.6	79.5	18.9
W076-4-26	65.959	22.196	0.210	0.000	2.631	0.017	0.749	9.488	101.250	0.0	97.8	2.2
W076-4-27	66.336	22.385	0.226	0.005	2.690	0.039	0.666	9.510	101.857	0.7	93.8	5.5
W076-4-28	66.531	22.168	0.160	0.000	2.480	0.056	0.435	9.611	101.441	0.0	88.6	11.4
W076-4-29	65.834	22.376	0.207	0.005	2.669	0.000	0.461	9.435	100.987	1.1	98.9	0.0
W076-4-30	65.389	22.487	0.193	0.000	2.923	0.013	0.301	9.090	100.396	0.0	95.9	4.1
W076-4-31	65.949	22.300	0.189	0.000	2.637	0.004	0.367	9.709	101.155	0.0	98.9	1.1
W076-4-32	66.103	22.049	0.187	0.003	2.720	0.000	0.466	9.614	101.142	0.6	99.4	0.0
W076-4-33	62.819	24.177	0.204	0.000	4.885	0.026	0.334	8.343	100.788	0.0	92.8	7.2
W076-4-34	62.592	23.945	0.215	0.027	5.174	0.052	0.476	8.233	100.714	4.9	85.8	9.4
W076-4-36	62.705	24.050	0.234	0.006	4.961	0.156	0.446	8.124	100.682	1.0	73.4	25.7

W076-4-37	63.077	23.753	0.217	0.000	4.516	0.156	0.366	8.753	100.838	0.0	70.1	29.9
W076-4-38	63.283	23.577	0.225	0.002	4.444	0.026	0.492	8.885	100.934	0.4	94.6	5.0
W076-4-39	62.676	23.594	0.209	0.003	4.438	0.109	0.538	8.603	100.170	0.5	82.8	16.8
W076-4-40	57.986	26.316	0.331	0.013	8.517	0.248	0.250	5.976	99.637	2.5	48.9	48.5
W076-4-41	62.522	23.828	0.282	0.000	4.895	0.174	0.466	8.110	100.277	0.0	72.8	27.2
W076-4-42	64.014	23.192	0.236	0.010	4.147	0.000	0.501	8.523	100.623	2.0	98.0	0.0
W076-4-43	66.179	22.231	0.152	0.000	2.726	0.096	0.343	10.006	101.733	0.0	78.1	21.9
W076-4-44	66.350	21.990	0.161	0.009	2.396	0.009	0.357	9.753	101.025	2.4	95.2	2.4
W076-4-45	64.679	22.913	0.219	0.068	3.203	0.078	0.398	9.408	100.966	12.5	73.2	14.3
W076-4-47	64.428	23.130	0.252	0.010	4.130	0.139	0.686	8.909	101.684	1.2	82.2	16.6
W076-4-48	63.249	23.550	0.240	0.002	4.709	0.056	0.697	8.610	101.113	0.3	92.3	7.4
W076-4-49	63.221	23.914	0.200	0.000	4.971	0.104	0.774	8.531	101.715	0.0	88.2	11.8
W076-4-51	63.500	23.242	0.190	0.007	4.643	0.209	0.797	8.595	101.183	0.7	78.7	20.6
W076-4-52	63.357	23.756	0.226	0.024	4.741	0.056	0.917	8.474	101.551	2.4	92.0	5.6
W076-4-53	63.568	23.727	0.240	0.011	4.368	0.056	0.922	8.590	101.482	1.1	93.2	5.7
W076-4-54	63.675	23.609	0.206	0.000	4.571	0.000	0.990	8.183	101.234	0.0	100.0	0.0
W076-4-56	63.673	23.750	0.181	0.008	4.846	0.130	0.830	8.505	101.923	0.8	85.7	13.4
W076-4-57	64.022	23.444	0.220	0.021	4.407	0.109	0.864	8.554	101.641	2.1	86.9	11.0
W076-4-61	63.666	23.456	0.196	0.010	4.531	0.126	0.861	8.597	101.443	1.0	86.4	12.6
W076-4-62	63.947	23.426	0.219	0.009	4.083	0.009	0.815	8.447	100.955	1.1	97.8	1.1
W076-4-63	63.757	23.571	0.190	0.010	4.288	0.035	0.878	8.743	101.472	1.1	95.1	3.8
W076-4-64	63.794	23.250	0.247	0.002	4.632	0.000	0.863	8.498	101.286	0.2	99.8	0.0
W076-4-65	63.810	23.747	0.209	0.018	4.559	0.222	0.751	8.533	101.849	1.8	75.8	22.4
W076-4-66	63.429	23.027	0.226	0.012	4.486	0.152	0.739	8.724	100.795	1.3	81.8	16.8
W076-4-68	63.960	23.360	0.233	0.000	4.069	0.000	0.783	9.010	101.415	0.0	100.0	0.0
W076-4-71	63.970	23.104	0.216	0.011	4.164	0.035	0.767	8.702	100.969	1.4	94.3	4.3
W076-4-74	64.147	22.788	0.173	0.015	3.066	0.004	3.100	7.276	100.569	0.5	99.4	0.1

W076-4-75	64.224	23.281	0.236	0.011	4.007	0.000	0.533	9.012	101.304	2.0	98.0	0.0
W076-4-76	63.725	23.757	0.236	0.014	4.238	0.100	0.593	8.584	101.247	2.0	83.9	14.1
W076-4-79	64.155	23.481	0.238	0.014	4.271	0.022	0.652	8.580	101.413	2.0	94.8	3.2
W076-4-80	63.617	23.887	0.190	0.014	4.818	0.043	0.573	8.254	101.396	2.2	91.0	6.8
W076-4-81	64.448	22.645	0.204	0.017	3.859	0.135	0.651	8.660	100.619	2.1	81.1	16.8
W076-4-82	65.692	22.688	0.240	0.000	3.059	0.104	1.054	8.667	101.504	0.0	91.0	9.0
W076-4-83	64.603	23.299	0.234	0.018	3.924	0.000	0.500	8.964	101.542	3.5	96.5	0.0
W076-4-84	65.496	22.945	0.219	0.005	3.421	0.078	0.654	8.863	101.681	0.7	88.7	10.6
W076-4-85	65.152	22.837	0.156	0.019	3.255	0.113	0.662	9.208	101.402	2.4	83.4	14.2
W076-4-87	64.275	23.734	0.222	0.002	4.220	0.022	0.515	8.588	101.578	0.4	95.5	4.1
W076-4-89	64.225	23.071	0.202	0.000	3.550	0.000	0.563	8.672	100.283	0.0	100.0	0.0
W076-4-90	64.151	23.528	0.260	0.003	4.105	0.104	0.447	8.839	101.437	0.5	80.7	18.8
W076-4-91	64.495	23.475	0.233	0.011	4.078	0.048	0.625	8.907	101.872	1.6	91.4	7.0
W0728-5-17	67.030	20.298	0.000	0.004	0.195	0.000	0.457	10.915	98.899	0.9	99.1	0.0
W0728-5-22	69.127	20.518	0.071	0.009	0.312	0.148	0.130	10.929	101.244	3.1	45.3	51.6
W0728-5-45	66.612	20.295	0.082	0.011	0.441	0.052	0.173	10.590	98.256	4.7	73.3	22.0
W0728-5-113	67.031	20.710	0.056	0.002	0.344	0.000	0.205	11.014	99.362	1.0	99.0	0.0
W0728-5-128	68.623	20.556	0.046	0.006	0.125	0.035	0.127	10.863	100.381	3.6	75.6	20.8
W0728-5-137	64.617	20.315	1.520	1.369	0.257	0.117	1.032	9.534	98.761	54.4	41.0	4.6
W0728-4-3	68.837	20.733	0.068	0.004	0.193	0.035	0.102	10.901	100.873	2.8	72.3	24.8
W0728-4-4	69.333	21.020	0.108	0.036	0.246	0.000	0.126	11.111	101.980	22.2	77.8	0.0
W0728-4-5	67.880	20.508	0.062	0.000	0.152	0.000	0.180	10.728	99.510	0.0	100.0	0.0
W0728-4-9	68.733	20.759	0.124	0.100	0.173	0.096	0.135	10.810	100.930	30.2	40.8	29.0
W0728-4-10	68.931	20.894	0.095	0.008	0.238	0.000	0.106	11.056	101.328	7.0	93.0	0.0
W0728-4-11	69.048	19.166	0.072	0.000	0.080	0.000	0.105	11.415	99.886	0.0	100.0	0.0
W0728-4-14	68.655	20.306	0.052	0.000	0.228	0.000	0.068	11.107	100.416	0.0	100.0	0.0
W0728-4-16	68.472	20.824	0.064	0.009	0.311	0.035	0.163	11.137	101.015	4.3	78.7	16.9

W0728-4-18	68.419	20.396	0.123	0.050	0.340	0.026	0.088	11.134	100.576	30.5	53.7	15.9
W0728-4-20	69.432	20.264	0.047	0.000	0.089	0.035	0.050	11.100	101.017	0.0	58.8	41.2
W0728-4-23	67.630	20.076	0.170	0.104	0.647	0.000	0.135	10.398	99.160	43.5	56.5	0.0
W0728-4-24	68.982	20.651	0.070	0.000	0.252	0.043	0.109	11.359	101.466	0.0	71.7	28.3
W0728-4-26	68.734	20.790	0.088	0.006	0.428	0.074	0.086	10.800	101.006	3.6	51.8	44.6
W0728-4-27	68.617	20.465	0.025	0.010	0.412	0.000	0.087	11.107	100.723	10.3	89.7	0.0
W0728-4-28	68.849	20.904	0.036	0.005	0.181	0.096	0.081	11.294	101.446	2.7	44.5	52.7
W0728-4-29	69.354	20.662	0.032	0.007	0.144	0.087	0.067	11.379	101.732	4.3	41.6	54.0
W0728-4-30	68.377	20.764	0.082	0.023	0.164	0.013	0.064	11.418	100.905	23.0	64.0	13.0
W0728-4-31	69.155	20.383	0.014	0.000	0.105	0.009	0.065	11.256	100.987	0.0	87.8	12.2
W0728-4-32	69.068	20.419	0.082	0.003	0.178	0.048	0.079	11.064	100.941	2.3	60.8	36.9
W0728-4-33	69.330	20.360	0.075	0.010	0.165	0.004	0.078	11.506	101.528	10.9	84.8	4.3
W0728-4-34	68.562	20.541	0.330	0.338	0.214	0.039	0.273	10.851	101.148	52.0	42.0	6.0
W0728-4-36	69.233	20.809	0.047	0.007	0.172	0.030	0.075	11.384	101.757	6.3	67.0	26.8
W0728-4-37	68.282	20.771	0.023	0.000	0.253	0.213	0.099	10.944	100.585	0.0	31.7	68.3
W0728-4-38	68.624	20.197	0.074	0.002	0.204	0.139	0.101	11.158	100.499	0.8	41.7	57.4
W0728-4-40	68.702	20.494	0.065	0.006	0.253	0.083	0.113	10.980	100.696	3.0	55.9	41.1
W0728-4-41	69.511	20.388	0.047	0.000	0.096	0.052	0.067	11.534	101.695	0.0	56.3	43.7
W0728-4-42	69.371	20.824	0.006	0.000	0.079	0.000	0.079	10.941	101.300	0.0	100.0	0.0
W0728-4-43	69.210	20.232	0.055	0.002	0.051	0.000	0.133	11.237	100.920	1.5	98.5	0.0
W0728-4-44	68.280	21.169	0.104	0.077	0.229	0.013	0.135	11.226	101.233	34.2	60.0	5.8
W0728-4-45	69.374	20.375	0.060	0.003	0.224	0.052	0.079	10.988	101.155	2.2	59.0	38.8
W0728-4-46	68.905	20.356	0.060	0.013	0.125	0.035	0.088	11.188	100.770	9.6	64.7	25.7
W0728-4-49	68.534	21.095	0.028	0.012	0.318	0.070	0.116	11.005	101.178	6.1	58.6	35.4
W0728-4-52	68.476	20.881	0.096	0.005	0.276	0.035	0.126	10.835	100.730	3.0	75.9	21.1
W0728-4-54	69.241	21.020	0.051	0.000	0.221	0.000	0.148	10.887	101.568	0.0	100.0	0.0
W0728-4-56	68.599	19.842	0.200	0.000	0.121	0.157	0.179	10.877	99.975	0.0	53.3	46.7

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W0728-3-4	69.446	20.610	0.039	0.032	0.098	0.000	0.082	11.064	101.371	28.1	71.9	0.0
W0728-3-5	68.187	20.371	0.256	0.205	0.067	0.000	0.095	10.793	99.974	68.3	31.7	0.0
W0728-3-6	69.123	21.000	0.024	0.010	0.038	0.009	0.125	11.389	101.718	6.9	86.8	6.3
W0728-3-7	68.464	20.879	0.159	0.147	0.084	0.043	0.111	11.129	101.016	48.8	36.9	14.3
W0728-3-8	68.577	20.884	0.102	0.000	0.160	0.000	0.149	10.957	100.829	0.0	100.0	0.0
W0728-3-9	69.493	20.983	0.073	0.001	0.127	0.022	0.063	11.131	101.893	1.2	73.3	25.6
W0728-3-10	68.949	20.727	0.042	0.000	0.052	0.148	0.152	11.127	101.197	0.0	50.7	49.3
W0728-3-11	69.567	20.482	0.029	0.008	0.054	0.044	0.069	11.388	101.641	6.6	57.0	36.4
W0728-3-12	69.682	20.647	0.077	0.000	0.363	0.083	0.103	10.966	101.921	0.0	55.4	44.6
W0728-3-13	68.958	20.882	0.026	0.000	0.183	0.083	0.066	10.803	101.001	0.0	44.3	55.7
W0728-3-14	68.489	20.055	0.023	0.009	0.117	0.000	0.061	11.044	99.798	12.9	87.1	0.0
W0728-3-15	69.237	20.557	0.000	0.000	0.208	0.091	0.063	11.344	101.500	0.0	40.9	59.1
W0728-3-16	69.144	20.590	0.047	0.003	0.074	0.022	0.047	11.344	101.271	4.2	65.3	30.6
W0728-3-18	69.074	20.603	0.069	0.000	0.194	0.000	0.095	10.845	100.880	0.0	100.0	0.0
W0728-3-19	68.483	20.120	0.016	0.019	0.169	0.122	0.107	10.792	99.828	7.7	43.1	49.2
W0728-3-20	69.306	20.655	0.019	0.000	0.022	0.100	0.081	11.208	101.391	0.0	44.8	55.2
W0728-3-21	69.562	20.550	0.019	0.000	0.046	0.000	0.048	11.513	101.738	0.0	100.0	0.0
W0728-3-23	69.036	20.811	0.018	0.007	0.086	0.000	0.103	11.261	101.322	6.4	93.6	0.0
W0728-3-24	68.989	19.935	0.000	0.000	0.007	0.000	0.082	11.212	100.225	0.0	100.0	0.0
W0728-3-25	68.748	20.709	0.015	0.000	0.088	0.056	0.147	10.911	100.674	0.0	72.4	27.6
W0728-3-27	68.806	20.700	0.031	0.000	0.054	0.044	0.089	11.570	101.294	0.0	66.9	33.1
W0728-3-29	68.718	19.792	0.027	0.000	0.053	0.000	0.112	11.069	99.771	0.0	100.0	0.0
W0728-3-30	69.170	20.772	0.061	0.001	0.101	0.022	0.104	11.105	101.336	0.8	81.9	17.3
W0728-3-31	69.058	20.718	0.095	0.000	0.066	0.100	0.119	11.008	101.164	0.0	54.3	45.7
W0728-3-32	69.319	20.325	0.094	0.001	0.010	0.122	0.105	11.669	101.645	0.4	46.1	53.5
W0728-3-33	68.997	20.885	0.063	0.000	0.081	0.065	0.075	11.149	101.315	0.0	53.6	46.4
W0728-3-34	68.783	20.826	0.043	0.001	0.047	0.017	0.110	11.566	101.393	0.8	85.9	13.3

W0728-3-35	68.946	20.784	0.002	0.005	0.073	0.043	0.094	11.509	101.456	3.5	66.2	30.3
W0728-3-36	69.289	19.795	0.001	0.002	0.039	0.039	0.088	11.118	100.371	1.6	68.2	30.2
W0728-3-38	68.915	20.564	0.017	0.010	0.057	0.096	0.104	10.841	100.604	4.8	49.5	45.7
W0728-3-40	68.818	20.390	0.045	0.000	0.109	0.000	0.131	11.063	100.556	0.0	100.0	0.0
W0728-3-41	69.387	20.722	0.035	0.007	0.088	0.078	0.122	11.194	101.633	3.4	58.9	37.7
W0728-3-42	69.333	20.825	0.005	0.000	0.069	0.070	0.077	11.080	101.459	0.0	52.4	47.6
W0728-3-43	69.102	20.696	0.033	0.016	0.034	0.000	0.078	11.218	101.177	17.0	83.0	0.0
W0728-3-44	68.950	21.028	0.023	0.002	0.181	0.131	0.099	10.939	101.353	0.9	42.7	56.5
W0728-3-46	68.315	20.416	0.000	0.007	0.029	0.026	0.065	11.063	99.921	7.1	66.3	26.5
W0728-3-49	69.134	20.567	0.020	0.000	0.049	0.035	0.089	10.985	100.879	0.0	71.8	28.2
W0728-3-50	68.259	21.083	0.000	0.000	0.063	0.061	0.088	11.200	100.754	0.0	59.1	40.9
W0728-3-51	69.166	20.470	0.000	0.014	0.060	0.000	0.098	11.032	100.840	12.5	87.5	0.0
W0728-3-52	68.379	20.620	0.041	0.002	0.044	0.296	0.182	11.119	100.683	0.4	37.9	61.7
W0728-3-53	67.289	20.196	0.048	0.007	0.045	0.070	0.127	11.019	98.801	3.4	62.3	34.3
W0728-3-55	69.630	20.354	0.003	0.010	0.028	0.061	0.099	11.422	101.607	5.9	58.2	35.9
W0728-3-56	69.463	20.852	0.003	0.000	0.073	0.074	0.070	11.138	101.673	0.0	48.6	51.4
W0728-3-57	67.888	20.795	0.047	0.007	0.188	0.000	0.090	11.081	100.096	7.2	92.8	0.0
W0728-3-58	68.370	20.228	0.022	0.026	0.119	0.043	0.126	10.923	99.857	13.3	64.6	22.1
W0728-3-59	67.875	20.380	0.085	0.018	0.104	0.009	0.099	11.113	99.683	14.3	78.6	7.1
W0728-3-60	69.019	20.953	0.048	0.011	0.109	0.052	0.164	11.131	101.487	4.8	72.2	22.9
W0728-3-66	69.527	20.789	0.105	0.000	0.108	0.000	0.087	10.967	101.583	0.0	100.0	0.0
W0728-3-67	69.395	20.643	0.101	0.000	0.075	0.142	0.087	10.965	101.408	0.0	38.0	62.0
W075-5-2	65.111	22.175	0.134	0.002	2.372	0.100	3.450	7.440	100.784	0.1	97.1	2.8
W075-5-3	62.918	22.569	0.129	0.022	3.728	0.000	3.266	7.226	99.858	0.7	99.3	0.0
W075-5-4	64.440	22.873	0.175	0.000	3.536	0.000	0.312	9.115	100.451	0.0	100.0	0.0
W075-5-5	64.476	22.980	0.131	0.000	3.677	0.039	0.268	9.341	100.912	0.0	87.3	12.7
W075-5-6	64.562	22.931	0.182	0.004	3.355	0.000	0.286	9.287	100.607	1.4	98.6	0.0

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W075-5-8	64.745	22.974	0.188	0.013	3.476	0.000	0.256	9.288	100.940	4.8	95.2	0.0
W075-5-9	64.631	23.020	0.247	0.008	3.423	0.000	0.328	9.410	101.067	2.4	97.6	0.0
W075-5-10	64.750	23.213	0.191	0.000	3.525	0.074	0.309	9.354	101.416	0.0	80.7	19.3
W075-5-11	63.940	23.368	0.222	0.003	4.195	0.056	0.308	9.055	101.147	0.8	83.9	15.3
W075-5-12	64.218	23.383	0.210	0.017	4.172	0.000	0.462	8.990	101.452	3.5	96.5	0.0
W075-5-13	64.126	23.543	0.217	0.010	4.325	0.100	0.456	8.939	101.716	1.8	80.6	17.7
W075-5-15	64.096	23.293	0.226	0.000	3.599	0.091	0.753	8.983	101.041	0.0	89.2	10.8
W075-5-16	63.759	23.819	0.225	0.014	4.324	0.117	0.677	8.331	101.266	1.7	83.8	14.5
W075-5-17	63.645	23.598	0.275	0.006	4.233	0.204	0.670	8.689	101.320	0.7	76.1	23.2
W075-5-18	63.693	23.487	0.231	0.000	4.347	0.152	0.722	8.468	101.100	0.0	82.6	17.4
W075-5-19	63.078	23.760	0.267	0.010	4.415	0.156	0.754	8.560	101.000	1.1	82.0	17.0
W075-5-21	62.233	24.931	0.258	0.003	5.836	0.243	0.568	7.530	101.602	0.4	69.8	29.9
W075-5-23	61.756	25.266	0.281	0.023	6.032	0.226	0.569	7.791	101.944	2.8	69.6	27.6
W075-5-25	60.502	25.256	0.287	0.007	6.887	0.204	0.465	7.269	100.877	1.0	68.8	30.2
W075-5-26	61.232	25.483	0.288	0.005	6.426	0.235	0.549	7.359	101.577	0.6	69.6	29.8
W075-5-27	61.289	25.335	0.316	0.006	6.188	0.200	0.500	7.476	101.310	0.8	70.8	28.3
W075-5-28	61.177	25.370	0.291	0.016	5.962	0.226	1.194	7.109	101.345	1.1	83.1	15.7
W075-5-29	60.029	25.679	0.271	0.012	6.898	0.382	0.414	7.384	101.069	1.5	51.2	47.3
W075-5-30	60.805	25.365	0.303	0.008	6.485	0.404	0.505	7.602	101.477	0.9	55.1	44.1
W075-5-31	58.958	26.023	0.343	0.001	7.395	0.387	0.380	6.740	100.227	0.1	49.5	50.4
W075-5-32	60.677	25.488	0.388	0.022	6.393	0.191	0.462	7.659	101.280	3.3	68.4	28.3
W075-5-33	59.674	25.623	0.359	0.029	6.979	0.187	0.358	7.302	100.511	5.1	62.4	32.6
W075-5-34	60.537	25.273	0.330	0.007	6.503	0.204	0.472	7.447	100.773	1.0	69.1	29.9
W075-5-35	60.122	25.403	0.363	0.000	6.979	0.256	0.444	7.304	100.871	0.0	63.4	36.6
W075-5-36	59.329	25.269	0.290	0.010	6.821	0.577	0.523	7.391	100.210	0.9	47.1	52.0
W075-5-37	58.817	25.631	0.324	0.025	7.112	0.417	0.527	6.971	99.824	2.6	54.4	43.0
W075-5-39	59.851	25.406	0.352	0.011	6.584	0.501	0.473	7.099	100.277	1.1	48.0	50.9

W075-5-40	60.215	25.173	0.346	0.000	6.610	0.553	0.509	7.174	100.580	0.0	47.9	52.1
W075-5-41	59.948	25.091	0.303	0.010	6.522	0.156	0.490	7.564	100.084	1.5	74.7	23.8
W075-5-42	62.272	24.457	0.305	0.012	5.485	0.308	0.563	8.059	101.461	1.4	63.8	34.9
W075-5-43	61.823	24.707	0.273	0.007	5.620	0.108	0.505	7.964	101.007	1.1	81.5	17.4
W075-5-44	62.257	24.573	0.221	0.004	5.387	0.191	0.525	8.135	101.293	0.6	72.9	26.5
W075-5-45	61.987	24.454	0.271	0.013	5.332	0.000	0.404	7.774	100.235	3.1	96.9	0.0
W075-5-46	62.025	24.279	0.293	0.017	5.014	0.286	0.480	7.859	100.253	2.2	61.3	36.5
W075-5-47	62.838	24.240	0.222	0.001	4.872	0.092	0.371	8.322	100.958	0.2	80.0	19.8
W075-5-49	63.143	23.386	0.193	0.007	4.546	0.123	0.453	8.528	100.379	1.2	77.7	21.1
W075-5-50	62.530	23.556	0.144	0.000	4.558	0.232	0.349	7.991	99.360	0.0	60.1	39.9
W075-5-52	62.287	24.029	0.236	0.000	5.083	0.083	0.495	8.198	100.411	0.0	85.6	14.4
W075-5-54	63.023	23.536	0.236	0.000	4.201	0.057	0.435	8.239	99.727	0.0	88.4	11.6
W075-5-56	62.887	23.564	0.244	0.000	4.304	0.066	0.534	8.620	100.219	0.0	89.0	11.0
W075-5-57	61.900	23.803	0.203	0.000	4.437	0.114	0.534	8.541	99.532	0.0	82.4	17.6
W075-5-58	62.675	23.423	0.232	0.012	4.311	0.048	0.465	8.547	99.713	2.3	88.6	9.1
W075-5-59	63.686	23.331	0.229	0.012	3.966	0.048	0.499	8.687	100.458	2.1	89.3	8.6
W075-5-62	63.606	23.274	0.201	0.003	3.817	0.000	0.454	8.715	100.070	0.7	99.3	0.0
W075-5-63	63.368	23.461	0.250	0.004	4.256	0.105	0.606	8.794	100.844	0.6	84.8	14.7
W075-5-64	62.542	23.856	0.195	0.000	4.728	0.088	0.566	8.445	100.420	0.0	86.5	13.5
W075-5-65	62.374	23.463	0.256	0.010	4.460	0.118	0.587	8.258	99.526	1.4	82.1	16.5
W075-5-66	60.878	24.776	0.201	0.000	5.970	0.009	0.416	7.786	100.036	0.0	97.9	2.1
W075-5-68	61.471	24.294	0.266	0.002	5.300	0.000	0.455	7.570	99.358	0.4	99.6	0.0
W075-5-69	61.750	24.131	0.247	0.000	5.520	0.232	0.452	8.047	100.379	0.0	66.1	33.9
W075-5-70	63.567	23.322	0.190	0.008	4.443	0.044	0.377	8.890	100.841	1.9	87.9	10.3
W075-5-71	59.964	25.329	0.120	0.000	6.744	0.184	0.248	7.359	99.948	0.0	57.4	42.6
W075-5-72	61.035	25.249	0.264	0.000	5.852	0.206	0.453	7.527	100.586	0.0	68.7	31.3
W075-5-73	61.266	25.071	0.295	0.010	5.963	0.307	0.376	7.804	101.092	1.4	54.3	44.3

W075-5-74	60.943	24.935	0.274	0.007	5.954	0.162	0.351	7.708	100.334	1.3	67.5	31.2
W075-5-75	64.858	22.577	0.023	0.000	2.973	0.000	0.239	9.272	99.942	0.0	100.0	0.0
W075-5-76	64.147	22.854	0.014	0.019	3.690	0.061	0.180	8.782	99.747	7.3	69.2	23.5
W075-5-79	61.381	24.414	0.208	0.006	5.058	0.364	0.491	7.505	99.427	0.7	57.0	42.3
W075-5-80	59.922	25.355	0.257	0.000	6.215	0.136	0.401	7.311	99.597	0.0	74.7	25.3
W075-5-81	60.155	25.189	0.222	0.006	6.389	0.158	0.422	7.366	99.907	1.0	72.0	27.0
W075-5-82	60.443	24.984	0.198	0.009	6.281	0.184	0.342	7.291	99.732	1.7	63.9	34.4
W075-5-83	61.878	24.103	0.230	0.016	5.329	0.088	0.430	7.857	99.931	3.0	80.5	16.5
W075-5-84	60.943	24.961	0.220	0.025	6.187	0.140	0.306	7.611	100.393	5.3	65.0	29.7
W075-5-85	60.820	25.249	0.230	0.000	6.175	0.224	0.321	7.765	100.784	0.0	58.9	41.1
W075-5-86	63.208	23.321	0.214	0.007	4.435	0.000	0.479	8.286	99.950	1.4	98.6	0.0
W075-5-87	63.260	23.693	0.216	0.000	4.443	0.070	0.547	8.459	100.688	0.0	88.7	11.3
W075-5-88	63.838	22.876	0.187	0.000	3.886	0.136	0.291	8.754	99.968	0.0	68.1	31.9
W075-5-89	64.947	22.633	0.122	0.004	2.953	0.000	0.331	9.309	100.299	1.2	98.8	0.0
W075-5-90	64.351	22.865	0.111	0.006	3.205	0.000	0.191	9.166	99.895	3.0	97.0	0.0
W075-5-91	61.978	24.048	0.301	0.010	5.379	0.153	0.345	8.165	100.379	2.0	67.9	30.1
W075-5-93	65.072	22.900	0.077	0.000	3.047	0.000	0.259	9.282	100.637	0.0	100.0	0.0
W075-5-94	63.160	23.356	0.255	0.003	4.088	0.053	0.295	8.564	99.774	0.9	84.0	15.1
W075-5-96	64.455	23.283	0.231	0.002	3.722	0.105	0.499	8.862	101.159	0.3	82.3	17.3
W075-5-97	62.621	24.137	0.218	0.019	5.107	0.132	0.408	7.933	100.575	3.4	73.0	23.6
W075-5-98	61.018	25.258	0.199	0.019	6.515	0.154	0.267	7.473	100.903	4.3	60.7	35.0
W075-5-98	60.652	25.716	0.218	0.007	6.554	0.000	0.256	6.958	100.361	2.7	97.3	0.0
W075-5-99	60.372	25.314	0.226	0.012	6.250	0.175	0.238	7.387	99.974	2.8	56.0	41.2
W075-5-100	60.741	24.618	0.246	0.005	6.071	0.088	0.289	7.732	99.790	1.3	75.7	23.0
W075-5-101	60.492	25.082	0.204	0.019	6.181	0.140	0.330	7.435	99.883	3.9	67.5	28.6
W075-5-102	60.743	25.461	0.246	0.004	6.576	0.180	0.346	7.402	100.958	0.8	65.3	34.0
W075-5-103	60.677	25.238	0.260	0.005	6.369	0.276	0.367	7.450	100.642	0.8	56.6	42.6

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W075-5-104	61.651	23.966	0.212	0.013	5.026	0.070	0.374	8.187	99.499	2.8	81.8	15.3
W075-5-105	62.843	23.507	0.204	0.000	4.131	0.131	0.344	8.629	99.789	0.0	72.4	27.6
W075-5-106	62.937	23.343	0.234	0.005	4.445	0.009	0.308	8.775	100.056	1.6	95.7	2.8
W075-5-107	64.251	23.002	0.203	0.011	3.578	0.079	0.247	9.170	100.541	3.3	73.3	23.4
W075-5-108	63.509	21.885	0.175	0.000	3.854	0.123	0.198	8.974	98.718	0.0	61.7	38.3
W075-5-109	63.932	22.830	0.248	0.001	3.667	0.114	0.511	8.933	100.236	0.2	81.6	18.2
W075-5-110	63.656	22.964	0.229	0.000	3.664	0.162	0.741	8.784	100.200	0.0	82.1	17.9
W075-5-112	63.577	23.256	0.228	0.005	3.873	0.149	0.741	8.800	100.629	0.6	82.8	16.6
W075-5-113	63.924	23.044	0.195	0.005	3.848	0.013	0.825	8.682	100.536	0.6	97.9	1.5
W075-5-115	63.739	22.878	0.297	0.003	3.669	0.061	0.825	8.815	100.287	0.3	92.8	6.9
W075-5-116	62.829	23.465	0.238	0.013	4.424	0.000	0.755	8.284	100.008	1.7	98.3	0.0
W075-5-117	62.742	23.535	0.201	0.006	4.410	0.215	0.714	8.279	100.102	0.6	76.4	23.0
W075-5-118	64.654	21.923	0.225	0.000	2.719	0.035	0.993	9.300	99.849	0.0	96.6	3.4
W075-5-119	65.196	22.326	0.224	0.012	2.489	0.000	0.998	9.209	100.454	1.2	98.8	0.0
W075-5-120	65.766	22.204	0.201	0.001	2.435	0.096	1.001	9.218	100.922	0.1	91.2	8.7
W075-4-1	63.964	22.779	0.243	0.000	3.911	0.009	0.400	9.011	100.317	0.0	97.8	2.2
W075-4-2	62.879	23.130	0.243	0.000	4.050	0.136	0.548	8.677	99.663	0.0	80.1	19.9
W075-4-3	62.952	22.827	0.278	0.004	4.205	0.074	0.634	8.585	99.559	0.6	89.0	10.4
W075-4-4	61.958	23.424	0.293	0.000	3.940	0.166	0.682	8.685	99.148	0.0	80.4	19.6
W075-4-5	62.902	23.452	0.341	0.000	4.384	0.096	0.630	8.428	100.233	0.0	86.8	13.2
W075-4-6	63.856	23.151	0.402	0.019	3.942	0.144	0.579	8.829	100.922	2.6	78.0	19.4
W075-4-7	62.965	22.942	0.232	0.001	4.458	0.088	0.631	8.151	99.468	0.1	87.6	12.2
W075-4-8	62.526	22.992	0.298	0.005	4.623	0.144	0.635	8.338	99.561	0.6	81.0	18.4
W075-4-9	62.570	23.258	0.294	0.016	4.519	0.039	0.591	8.488	99.775	2.5	91.5	6.0
W075-4-10	61.937	23.574	0.247	0.002	4.462	0.061	0.622	8.573	99.478	0.3	90.8	8.9
W075-4-11	62.599	23.303	0.218	0.012	4.307	0.162	0.606	7.929	99.136	1.5	77.7	20.8
W075-4-12	63.029	23.576	0.293	0.006	4.465	0.280	0.556	8.228	100.433	0.7	66.0	33.3

W075-4-13	62.551	23.794	0.240	0.000	4.397	0.144	0.693	8.285	100.104	0.0	82.8	17.2
W075-4-14	61.742	23.546	0.258	0.000	4.579	0.162	0.669	8.449	99.405	0.0	80.5	19.5
W075-4-15	63.212	23.684	0.305	0.022	4.479	0.074	0.471	8.523	100.770	3.9	83.1	13.1
W075-4-16	62.767	23.795	0.332	0.007	4.695	0.276	0.630	8.268	100.770	0.8	69.0	30.2
W075-4-17	62.441	23.686	0.277	0.014	4.619	0.158	0.643	8.004	99.842	1.7	78.9	19.4
W075-4-18	63.065	23.598	0.223	0.014	4.697	0.206	0.673	8.319	100.795	1.6	75.4	23.1
W075-4-19	63.180	23.181	0.248	0.000	4.048	0.000	0.656	8.408	99.721	0.0	100.0	0.0
W075-4-20	63.618	23.225	0.220	0.000	3.664	0.109	0.588	8.924	100.348	0.0	84.4	15.6
W075-4-21	63.261	23.060	0.267	0.008	4.086	0.031	0.646	8.638	99.997	1.2	94.3	4.5
W075-4-22	62.664	22.799	0.228	0.008	3.773	0.166	0.714	8.862	99.214	0.9	80.4	18.7
W075-4-23	62.539	23.607	0.269	0.009	4.484	0.257	0.668	8.472	100.305	1.0	71.5	27.5
W075-4-25	61.514	24.236	0.256	0.013	5.284	0.139	0.579	7.962	99.983	1.8	79.2	19.0
W075-4-26	61.471	24.179	0.282	0.009	5.286	0.161	0.656	7.857	99.901	1.1	79.4	19.5
W075-4-27	61.366	24.450	0.275	0.006	5.492	0.258	0.621	7.614	100.082	0.7	70.2	29.2
W075-4-28	61.617	24.383	0.308	0.016	5.402	0.301	0.567	8.142	100.736	1.8	64.1	34.0
W075-4-29	61.744	24.097	0.229	0.011	5.089	0.179	0.594	8.010	99.953	1.4	75.8	22.8
W075-4-30	62.369	23.970	0.242	0.001	4.849	0.319	0.609	8.320	100.679	0.1	65.6	34.3
W075-4-31	61.951	23.687	0.261	0.004	4.770	0.118	0.611	8.368	99.770	0.5	83.4	16.1
W075-4-32	62.957	23.381	0.253	0.006	4.454	0.022	0.710	8.234	100.017	0.8	96.2	3.0
W075-4-33	63.568	23.283	0.277	0.015	4.233	0.249	0.773	8.590	100.988	1.4	74.5	24.0
W075-4-34	62.959	23.380	0.210	0.005	4.162	0.127	0.612	8.423	99.878	0.7	82.3	17.1
W075-4-35	62.851	22.767	0.208	0.000	4.235	0.061	0.414	8.878	99.414	0.0	87.2	12.8
W075-4-38	61.726	24.177	0.238	0.004	5.322	0.202	0.490	7.763	99.922	0.6	70.4	29.0
W075-4-39	63.231	23.508	0.220	0.010	4.455	0.035	0.539	8.198	100.196	1.7	92.3	6.0
W075-4-40	63.316	23.743	0.182	0.011	4.576	0.000	0.285	8.809	100.922	3.7	96.3	0.0
W075-4-41	64.303	22.333	0.193	0.000	2.918	0.061	0.404	9.564	99.776	0.0	86.9	13.1
W075-4-42	61.556	24.033	0.176	0.000	5.125	0.074	0.310	8.296	99.570	0.0	80.7	19.3

W075-4-44	61.904	24.526	0.191	0.005	5.288	0.096	0.331	8.087	100.428	1.2	76.6	22.2
W075-4-45	61.853	24.304	0.230	0.004	5.399	0.114	0.365	8.090	100.359	0.8	75.6	23.6
W075-4-46	60.111	24.816	0.253	0.000	5.735	0.171	0.275	7.917	99.278	0.0	61.7	38.3
W075-4-47	64.186	22.915	0.247	0.006	3.537	0.026	0.332	8.847	100.096	1.6	91.2	7.1
W075-4-48	62.007	24.219	0.195	0.010	5.454	0.026	0.376	8.075	100.362	2.4	91.3	6.3
W075-4-49	61.657	24.196	0.230	0.022	5.344	0.123	0.375	7.910	99.857	4.2	72.1	23.7
W075-4-50	62.671	23.447	0.187	0.000	4.236	0.074	0.386	8.138	99.139	0.0	83.9	16.1
W075-4-51	61.700	24.229	0.219	0.001	5.514	0.162	0.434	7.888	100.147	0.2	72.7	27.1
W075-4-52	61.846	23.807	0.212	0.006	5.296	0.070	0.338	7.989	99.564	1.4	81.6	16.9
W075-4-53	61.000	24.468	0.259	0.004	5.714	0.000	0.435	7.601	99.481	0.9	99.1	0.0
W075-4-54	62.407	23.547	0.228	0.001	4.655	0.228	0.529	8.465	100.060	0.1	69.8	30.1
W075-4-55	62.583	23.612	0.223	0.002	4.464	0.044	0.495	8.413	99.836	0.4	91.5	8.1
W075-4-56	63.556	23.484	0.245	0.010	3.819	0.105	0.378	8.488	100.085	2.0	76.7	21.3
W075-4-57	62.355	23.783	0.238	0.000	4.547	0.175	0.447	8.157	99.702	0.0	71.9	28.1
W075-4-58	62.779	23.603	0.241	0.007	4.626	0.180	0.439	8.071	99.946	1.1	70.1	28.8
W075-4-59	63.639	23.177	0.218	0.015	3.969	0.013	0.461	8.391	99.883	3.1	94.3	2.7
W075-4-60	64.164	22.810	0.183	0.016	3.622	0.105	0.523	8.681	100.104	2.5	81.2	16.3
W075-4-61	64.564	22.969	0.231	0.005	3.241	0.000	0.497	8.956	100.463	1.0	99.0	0.0
W075-4-62	64.515	22.657	0.173	0.000	3.101	0.114	0.403	9.164	100.127	0.0	77.9	22.1
W075-4-63	66.396	21.284	0.247	0.005	1.101	0.118	0.243	10.250	99.644	1.4	66.4	32.2
W075-3-10	64.763	22.097	0.199	0.003	2.634	0.000	0.205	9.166	99.067	1.4	98.6	0.0
W075-3-12	65.458	21.937	0.241	0.012	2.680	0.035	0.819	8.976	100.158	1.4	94.6	4.0
W075-3-14	64.994	22.056	0.175	0.003	2.782	0.000	0.966	8.732	99.708	0.3	99.7	0.0
W075-3-15	65.320	22.086	0.171	0.007	2.691	0.000	0.913	8.969	100.157	0.8	99.2	0.0
W075-3-16	64.849	22.177	0.171	0.009	2.762	0.000	1.046	8.618	99.632	0.9	99.1	0.0
W075-3-19	63.873	22.917	0.209	0.012	3.510	0.000	0.713	8.415	99.649	1.7	98.3	0.0
W075-3-20	62.771	23.288	0.223	0.011	4.418	0.057	0.675	7.972	99.415	1.5	90.8	7.7

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W075-3-22	62.884	23.451	0.206	0.010	4.466	0.048	0.713	8.225	100.003	1.3	92.5	6.2
W075-3-23	62.632	23.653	0.253	0.013	4.774	0.245	0.623	8.017	100.210	1.5	70.7	27.8
W075-3-24	62.823	23.445	0.202	0.008	4.518	0.140	0.690	7.932	99.758	1.0	82.3	16.7
W075-3-25	62.535	23.257	0.226	0.015	4.717	0.149	0.467	8.226	99.592	2.4	74.0	23.6
W075-3-26	60.907	24.047	0.240	0.003	5.688	0.088	0.479	7.747	99.199	0.5	84.0	15.4
W075-3-27	60.814	24.945	0.213	0.000	5.956	0.171	0.268	7.888	100.255	0.0	61.0	39.0
W075-3-28	60.376	25.101	0.296	0.013	6.626	0.171	0.370	7.262	100.215	2.3	66.8	30.9
W075-3-29	62.535	24.313	0.206	0.008	4.939	0.145	0.278	7.890	100.314	1.9	64.5	33.6
W075-3-31	63.199	23.472	0.219	0.010	4.530	0.153	0.449	8.055	100.087	1.6	73.4	25.0
W075-3-33	63.287	22.425	0.237	0.003	4.023	0.031	0.537	8.541	99.084	0.5	94.0	5.4
W075-3-34	62.973	23.286	0.241	0.000	4.275	0.013	0.700	8.141	99.629	0.0	98.2	1.8
W075-3-36	62.988	23.526	0.282	0.000	4.426	0.066	0.462	8.400	100.150	0.0	87.5	12.5
W075-3-38	63.184	23.225	0.228	0.011	4.212	0.000	0.649	8.547	100.056	1.7	98.3	0.0
W075-3-39	64.146	22.885	0.241	0.011	3.049	0.031	0.556	8.836	99.755	1.8	93.0	5.2
W075-3-40	63.512	22.765	0.215	0.011	3.986	0.105	0.515	8.773	99.882	1.7	81.6	16.6
W075-3-41	63.663	23.241	0.225	0.009	3.796	0.105	0.481	8.837	100.357	1.5	80.8	17.6
W075-3-42	63.076	23.610	0.195	0.020	4.446	0.070	0.393	8.367	100.177	4.1	81.4	14.5
W075-3-43	62.916	22.995	0.149	0.016	3.998	0.066	0.273	8.353	98.766	4.5	76.9	18.6
W075-3-44	63.045	23.314	0.208	0.000	3.669	0.035	0.257	9.136	99.664	0.0	88.0	12.0
W075-3-45	63.927	22.903	0.219	0.088	3.547	0.263	0.612	8.544	100.103	9.1	63.6	27.3
W075-3-46	62.752	23.716	0.279	0.014	4.601	0.167	0.420	8.289	100.238	2.3	69.9	27.8
W075-3-48	62.478	23.415	0.239	0.004	4.895	0.097	0.558	8.043	99.729	0.6	84.7	14.7
W075-3-49	60.465	24.295	0.228	0.003	5.794	0.149	0.366	7.512	98.812	0.6	70.7	28.8
W075-3-50	62.633	23.848	0.174	0.001	4.223	0.053	0.283	8.482	99.697	0.3	84.0	15.7
W075-3-51	61.044	24.443	0.271	0.019	5.478	0.057	0.218	7.953	99.483	6.5	74.1	19.4
W075-3-52	67.356	21.455	0.115	0.000	1.111	0.088	0.380	10.222	100.727	0.0	81.2	18.8
W075-3-53	61.230	24.443	0.216	0.000	5.759	0.009	0.395	7.759	99.811	0.0	97.8	2.2

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W075-3-54	61.451	24.498	0.278	0.017	5.664	0.105	0.432	7.801	100.246	3.1	78.0	19.0
W075-3-55	61.012	24.193	0.218	0.015	5.238	0.000	0.430	8.077	99.183	3.4	96.6	0.0
W075-3-56	61.557	24.243	0.210	0.000	5.142	0.175	0.267	8.184	99.778	0.0	60.4	39.6
W075-3-57	61.664	24.135	0.227	0.015	5.223	0.127	0.224	8.120	99.735	4.1	61.2	34.7
W075-3-59	62.204	24.172	0.273	0.016	5.280	0.101	0.320	8.129	100.495	3.7	73.2	23.1
W075-3-60	61.272	24.639	0.242	0.008	5.844	0.096	0.264	8.037	100.402	2.2	71.7	26.1
W075-3-61	65.181	22.389	0.048	0.007	2.420	0.009	0.316	9.466	99.836	2.1	95.2	2.7
W075-4a-1	64.053	23.245	0.220	0.004	3.890	0.052	0.274	8.367	100.104	1.1	83.1	15.8
W075-4a-2	63.158	23.004	0.279	0.004	4.196	0.000	0.621	7.945	99.207	0.7	99.3	0.0
W075-4a-3	62.301	23.768	0.264	0.007	4.874	0.169	0.607	8.216	100.205	0.9	77.6	21.6
W075-4a-4	61.978	24.246	0.267	0.002	5.386	0.298	0.554	7.495	100.226	0.2	64.8	34.9
W075-4a-5	62.933	23.790	0.297	0.000	4.728	0.303	0.620	7.999	100.670	0.0	67.2	32.8
W075-4a-6	62.750	23.753	0.283	0.007	4.567	0.156	0.625	8.247	100.386	0.9	79.4	19.8
W075-4a-7	62.453	23.304	0.241	0.014	4.736	0.208	0.705	7.743	99.403	1.6	76.0	22.4
W075-4a-8	62.031	24.116	0.229	0.001	4.978	0.199	0.619	7.802	99.974	0.1	75.6	24.3
W075-4a-10	61.107	24.204	0.251	0.010	5.104	0.307	0.621	7.352	98.956	1.1	66.2	32.7
W075-4a-11	62.297	24.251	0.310	0.010	4.977	0.298	0.651	7.840	100.634	1.0	67.9	31.1
W075-4a-12	61.740	24.511	0.285	0.017	5.279	0.428	0.641	7.611	100.511	1.5	59.1	39.4
W075-4a-13	61.513	24.769	0.220	0.022	5.690	0.484	0.593	7.568	100.859	2.0	53.9	44.1
W075-4a-14	61.341	24.880	0.288	0.005	5.881	0.126	0.543	7.134	100.198	0.8	80.6	18.6
W075-4a-15	60.952	24.812	0.243	0.006	6.011	0.364	0.532	7.277	100.196	0.6	59.0	40.4
W075-4a-16	61.264	24.464	0.246	0.003	5.779	0.277	0.506	7.321	99.860	0.4	64.3	35.2
W075-4a-17	62.018	24.438	0.234	0.014	5.105	0.173	0.566	7.872	100.421	1.9	75.1	23.0
W075-4a-18	61.910	24.575	0.213	0.012	5.459	0.230	0.511	7.658	100.566	1.6	67.9	30.5
W075-4a-19	64.419	23.255	0.265	0.007	3.745	0.052	0.430	8.543	100.715	1.4	88.0	10.6
W075-4a-21	64.587	22.707	0.188	0.013	3.110	0.104	0.303	8.747	99.760	3.0	72.2	24.7
W075-4a-24	61.884	24.388	0.228	0.000	5.159	0.000	0.304	7.773	99.735	0.0	100.0	0.0

W075-4a-25	62.719	24.238	0.237	0.006	4.883	0.030	0.358	7.890	100.361	1.5	90.8	7.7
W075-4a-26	63.125	23.730	0.267	0.008	4.452	0.147	0.343	8.129	100.199	1.6	68.9	29.5
W075-4a-27	62.386	23.762	0.218	0.009	4.623	0.022	0.327	7.862	99.209	2.5	91.4	6.1
W075-4a-30	63.908	22.891	0.242	0.010	3.711	0.086	0.649	8.442	99.940	1.4	87.1	11.6
W075-4a-31	63.465	23.795	0.238	0.018	4.335	0.121	0.552	7.996	100.520	2.6	79.9	17.5
BCP 5-1	60.569	24.808	0.291	0.013	6.221	0.000	0.437	7.038	99.376	2.9	97.1	0.0
BCP 5-2	59.803	25.434	0.322	0.013	6.795	0.121	0.378	6.599	99.465	2.6	73.8	23.6
BCP 5-3	60.566	24.684	0.407	0.010	6.514	0.052	0.438	6.928	99.598	2.0	87.6	10.4
BCP 5-5	60.995	24.748	0.447	0.000	6.324	0.000	0.498	7.002	100.014	0.0	100.0	0.0
BCP 5-6	59.660	26.249	0.320	0.016	7.380	0.165	0.402	6.595	100.788	2.8	69.0	28.2
BCP 5-7	59.864	25.842	0.328	0.007	7.401	0.108	0.401	6.550	100.502	1.4	77.6	21.0
BCP 5-8	57.984	26.506	0.305	0.028	8.802	0.069	0.291	6.194	100.178	7.2	74.9	17.9
BCP 5-9	58.086	26.616	0.322	0.023	8.595	0.017	0.316	5.750	99.726	6.5	88.7	4.9
BCP 5-10	58.583	26.865	0.295	0.012	8.565	0.052	0.289	6.086	100.746	3.4	81.8	14.8
BCP 5-11	60.786	24.999	0.349	0.020	6.603	0.143	0.426	6.914	100.238	3.3	72.4	24.3
BCP 5-12	58.437	26.169	0.336	0.015	7.920	0.078	0.353	5.975	99.282	3.3	79.2	17.5
BCP 5-13	56.850	27.377	0.314	0.018	9.405	0.009	0.348	5.588	99.908	4.8	92.9	2.3
BCP 5-14	56.654	27.939	0.350	0.024	9.655	0.117	0.349	5.415	100.502	4.9	71.2	23.9
BCP 5-15	59.334	26.121	0.397	0.024	7.685	0.061	0.473	6.253	100.347	4.2	84.9	10.9
BCP 5-16	58.017	26.632	0.420	0.000	8.528	0.004	0.343	6.172	100.116	0.0	98.8	1.2
BCP 5-17	56.662	27.766	0.352	0.027	9.550	0.169	0.283	5.530	100.339	5.6	59.1	35.3
BCP 5-18	56.792	27.787	0.373	0.013	9.182	0.104	0.314	5.333	99.898	2.9	72.9	24.2
BCP 5-19	57.384	27.455	0.415	0.016	9.289	0.074	0.341	5.765	100.738	3.8	79.1	17.1
BCP 5-20	57.692	25.966	0.416	0.022	8.711	0.000	0.366	6.046	99.220	5.7	94.3	0.0
BCP 5-22	56.939	27.267	0.485	0.022	9.477	0.104	0.335	5.628	100.257	4.8	72.6	22.6
BCP 5-23	58.561	26.468	0.423	0.013	8.158	0.052	0.383	5.893	99.949	2.8	85.6	11.6
BCP 5-24	57.213	27.082	0.376	0.009	9.089	0.174	0.302	5.837	100.081	1.9	62.3	35.8

BCP 5-25	57.191	26.954	0.381	0.005	8.980	0.000	0.264	5.708	99.482	2.0	98.0	0.0
BCP 5-26	57.395	27.546	0.349	0.000	9.363	0.096	0.289	6.060	101.097	0.0	75.1	24.9
BCP 5-27	57.858	26.584	0.379	0.000	8.643	0.000	0.310	6.157	99.931	0.0	100.0	0.0
BCP 5-28	57.028	27.239	0.400	0.013	9.155	0.200	0.336	5.547	99.918	2.4	61.2	36.4
BCP 5-29	56.238	28.429	0.380	0.022	10.417	0.126	0.293	5.087	100.992	4.9	66.6	28.5
BCP 5-30	55.149	28.020	0.335	0.000	10.467	0.061	0.313	5.031	99.375	0.0	83.7	16.3
BCP 5-31	56.666	27.838	0.407	0.006	9.461	0.126	0.370	5.610	100.483	1.2	73.7	25.1
BCP 5-32	57.214	27.382	0.433	0.032	9.047	0.160	0.424	5.849	100.540	5.1	68.8	26.1
BCP 5-33	57.664	26.950	0.418	0.018	9.072	0.243	0.397	5.933	100.694	2.7	60.4	36.9
BCP 5-34	58.104	26.911	0.446	0.024	8.658	0.113	0.400	6.125	100.781	4.5	74.5	21.0
BCP 5-35	59.277	26.333	0.356	0.005	7.664	0.100	0.387	6.552	100.673	1.1	78.7	20.3
BCP 5-36	59.640	25.894	0.334	0.001	7.303	0.074	0.374	6.578	100.196	0.2	83.3	16.4
BCP 5-37	57.598	27.164	0.302	0.016	9.307	0.156	0.299	5.563	100.405	3.5	63.4	33.1
BCP 5-38	55.572	28.102	0.308	0.003	10.008	0.083	0.296	4.867	99.237	0.7	77.6	21.7
BCP 5-39	58.767	26.498	0.380	0.009	8.203	0.295	0.437	6.056	100.644	1.2	59.0	39.8
BCP 5-40	57.742	26.691	0.437	0.009	8.370	0.113	0.432	5.683	99.476	1.6	78.0	20.4
BCP 5-41	57.808	26.694	0.392	0.011	8.676	0.139	0.517	5.502	99.738	1.6	77.6	20.8
BCP 5-42	58.502	26.480	0.399	0.019	8.380	0.182	0.503	5.938	100.402	2.6	71.5	25.9
BCP 5-43	56.567	27.594	0.414	0.024	9.800	0.013	0.376	5.466	100.253	5.7	91.1	3.2
BCP 5-44	56.099	28.075	0.489	0.011	10.261	0.139	0.354	5.586	101.014	2.2	70.3	27.5
BCP 5-45	56.975	26.671	0.431	0.017	8.650	0.187	0.510	6.164	99.605	2.4	71.5	26.1
BCP 5-46	58.256	26.737	0.473	0.004	8.266	0.286	0.555	6.010	100.589	0.5	65.7	33.8
BCP 5-47	58.915	26.067	0.504	0.014	7.705	0.191	0.673	6.197	100.267	1.6	76.7	21.7
BCP 5-48	59.026	26.122	0.461	0.019	7.705	0.113	0.674	6.315	100.434	2.3	83.7	14.0
BCP 5-49	55.958	27.598	0.430	0.013	10.014	0.083	0.420	5.320	99.835	2.5	81.5	16.0
BCP 5-50	57.669	26.629	0.569	0.176	8.622	0.000	0.477	5.997	100.138	27.0	73.0	0.0
BCP 5-51	57.962	26.947	0.402	0.031	8.799	0.039	0.526	5.834	100.539	5.2	88.2	6.6

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BCP 5-52	58.506	26.497	0.406	0.021	8.252	0.013	0.506	5.966	100.166	3.9	93.7	2.4
BCP 5-53	58.862	25.895	0.425	0.019	7.408	0.083	0.674	6.073	99.437	2.4	87.0	10.7
BCP 5-54	57.854	26.680	0.350	0.014	8.580	0.030	0.498	6.048	100.053	2.6	91.8	5.6
BCP 5-55	57.905	26.475	0.452	0.001	8.735	0.139	0.560	6.110	100.376	0.2	80.0	19.8
BCP 5-56	58.222	26.659	0.391	0.013	8.771	0.039	0.529	6.213	100.838	2.3	91.0	6.7
BCP 5-57	57.671	27.032	0.410	0.022	8.551	0.135	0.466	5.857	100.141	3.5	74.9	21.6
BCP 5-58	58.135	26.665	0.394	0.027	8.520	0.200	0.505	6.046	100.491	3.7	69.0	27.3
BCP 5-59	58.862	25.568	0.387	0.021	7.233	0.161	0.607	6.310	99.148	2.7	77.0	20.4
BCP 5-60	55.756	28.537	0.405	0.007	10.522	0.170	0.360	5.172	100.928	1.3	67.1	31.6
BCP 5-61	57.771	26.845	0.396	0.021	8.967	0.000	0.506	5.772	100.278	3.9	96.1	0.0
BCP 5-62	57.778	26.669	0.449	0.006	8.703	0.191	0.474	5.966	100.235	1.0	70.6	28.5
BCP 5-63	57.711	26.595	0.460	0.019	8.747	0.109	0.539	5.946	100.125	2.9	80.9	16.3
BCP 5-64	56.379	27.901	0.422	0.015	9.830	0.100	0.393	5.361	100.400	2.9	77.4	19.7
BCP 5-65	59.348	26.255	0.410	0.012	7.922	0.113	0.624	6.321	101.005	1.6	83.3	15.1
BCP 5-66	57.841	26.790	0.365	0.010	8.674	0.100	0.470	5.973	100.223	1.7	81.1	17.2
BCP 5-67	58.636	26.401	0.358	0.027	8.003	0.070	0.556	6.214	100.264	4.1	85.2	10.7
BCP 5-68	56.951	27.617	0.421	0.021	9.231	0.117	0.431	5.771	100.560	3.6	75.8	20.6
BCP 5-69	57.277	26.839	0.409	0.020	8.716	0.139	0.460	5.653	99.513	3.2	74.4	22.5
BCP 5-70	57.141	25.844	0.406	0.018	8.879	0.000	0.455	6.102	98.845	3.7	96.3	0.0
BCP 5-72	57.720	26.951	0.418	0.022	9.070	0.057	0.412	5.890	100.540	4.5	84.0	11.5
BCP 5-73	57.971	25.964	0.427	0.021	8.341	0.052	0.465	6.230	99.471	3.8	86.5	9.7
BCP 5-74	58.923	25.055	0.426	0.023	7.434	0.022	0.490	6.515	98.887	4.3	91.7	4.0
BCP 5-75	57.938	26.436	0.382	0.006	8.204	0.048	0.490	6.214	99.718	1.2	90.1	8.8
BCP 5-76	58.461	26.007	0.414	0.001	7.575	0.096	0.507	5.996	99.057	0.1	84.1	15.9
BCP 5-77	58.350	26.190	0.421	0.027	8.396	0.208	0.448	6.261	100.300	3.9	65.6	30.5
BCP 5-78	58.038	26.807	0.373	0.000	8.463	0.087	0.385	6.144	100.297	0.0	81.6	18.4
BCP 5-79	57.103	26.658	0.344	0.004	8.610	0.139	0.362	6.375	99.594	0.8	71.6	27.5

BCP 5-80	58.347	26.688	0.397	0.010	8.424	0.052	0.403	6.388	100.707	2.0	86.7	11.2
BCP 5-81	60.136	25.083	0.342	0.002	6.663	0.161	0.549	7.062	99.997	0.3	77.2	22.5
BCP 5-82	57.374	27.159	0.349	0.008	9.144	0.191	0.299	5.999	100.523	1.6	60.0	38.4
BCP 5-83	57.020	27.291	0.303	0.023	8.756	0.035	0.338	5.624	99.389	5.7	85.5	8.8
BCP 5-84	58.099	26.860	0.344	0.000	8.578	0.113	0.378	6.038	100.409	0.0	77.0	23.0
BCP 5-85	56.896	27.429	0.356	0.018	9.411	0.052	0.286	5.732	100.181	5.2	80.2	14.6
BCP 5-86	57.414	26.815	0.265	0.016	9.093	0.070	0.333	5.710	99.714	3.8	79.6	16.6
BCP 5-87	57.789	26.390	0.325	0.011	8.532	0.187	0.300	6.142	99.675	2.1	60.3	37.5
BCP 5-88	59.046	25.473	0.360	0.012	7.409	0.000	0.387	6.627	99.313	2.9	97.1	0.0
BCP 5-89	58.058	26.846	0.355	0.023	8.621	0.104	0.303	6.049	100.359	5.3	70.5	24.2
BCP 5-90	58.039	26.812	0.361	0.002	8.457	0.057	0.351	6.039	100.118	0.5	85.7	13.8
BCP 5-91	59.231	25.835	0.451	0.015	7.284	0.074	0.413	6.834	100.138	3.1	82.2	14.7
BCP 5-92	59.831	24.800	0.347	0.009	6.815	0.000	0.434	6.886	99.120	1.9	98.1	0.0
BCP 5-93	58.712	26.337	0.301	0.004	8.118	0.091	0.297	6.528	100.387	0.9	75.8	23.3
BCP 5-94	60.928	24.910	0.325	0.015	6.362	0.065	0.413	6.877	99.896	3.1	83.7	13.2
BCP 5-95	59.374	26.112	0.246	0.014	7.542	0.083	0.263	6.665	100.299	4.0	73.1	22.9
BCP 4-1	62.094	24.320	0.279	0.012	5.538	0.117	0.471	8.073	100.904	2.1	78.4	19.5
BCP 4-2	59.015	26.123	0.248	0.012	7.997	0.000	0.296	6.799	100.490	4.0	96.0	0.0
BCP 4-3	61.081	24.424	0.398	0.009	6.133	0.160	0.464	7.712	100.382	1.4	73.3	25.3
BCP 4-4	61.143	25.028	0.365	0.053	6.249	0.104	0.400	7.437	100.779	9.5	71.8	18.7
BCP 4-5	60.428	22.661	1.567	0.877	4.998	0.104	0.455	7.100	98.189	61.1	31.7	7.2
BCP 4-6	57.963	27.017	0.312	0.014	8.769	0.096	0.313	6.096	100.580	3.4	74.0	22.6
BCP 4-7	58.593	25.359	0.339	0.001	8.135	0.000	0.345	6.712	99.484	0.3	99.7	0.0
BCP 4-8	56.904	27.569	0.376	0.012	9.293	0.044	0.328	6.008	100.534	3.2	85.5	11.3
BCP 4-9	57.271	27.249	0.464	0.027	9.104	0.187	0.334	5.925	100.560	4.9	61.0	34.1
BCP 4-10	56.407	28.075	0.450	0.016	10.058	0.317	0.370	5.415	101.109	2.2	52.6	45.1
BCP 4-11	56.999	27.164	0.503	0.032	9.152	0.252	0.455	5.872	100.430	4.3	61.6	34.1

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BCP 4-12	55.658	28.408	0.453	0.023	10.145	0.000	0.331	5.222	100.240	6.5	93.5	0.0
BCP 4-13	55.571	28.228	0.498	0.028	10.632	0.213	0.380	5.283	100.833	4.5	61.2	34.3
BCP 4-14	55.785	28.445	0.535	0.020	10.627	0.308	0.373	5.330	101.423	2.8	53.2	44.0
BCP 4-15	55.195	28.670	0.510	0.024	10.897	0.026	0.401	5.098	100.819	5.3	88.9	5.8
BCP 4-16	55.971	28.301	0.503	0.026	10.360	0.148	0.435	5.312	101.056	4.2	71.5	24.3
BCP 4-17	55.017	28.427	0.568	0.018	10.870	0.135	0.403	4.619	100.056	3.3	72.5	24.2
BCP 4-18	54.835	28.786	0.577	0.008	11.270	0.104	0.414	4.586	100.580	1.6	78.6	19.8
BCP 4-19	55.430	28.225	0.535	0.021	10.619	0.104	0.455	5.067	100.456	3.6	78.4	18.0
BCP 4-20	56.825	27.659	0.505	0.028	9.653	0.274	0.558	5.634	101.135	3.2	65.0	31.8
BCP 4-21	55.060	28.293	0.620	0.015	10.059	0.117	0.444	5.181	99.789	2.6	77.1	20.4
BCP 4-22	54.139	29.245	0.580	0.031	11.706	0.230	0.358	4.762	101.050	5.0	57.8	37.2
BCP 4-23	53.648	29.489	0.532	0.035	12.071	0.096	0.326	4.541	100.737	7.6	71.5	21.0
BCP 4-24	54.972	28.346	0.539	0.024	10.660	0.169	0.524	5.118	100.352	3.4	73.0	23.6
BCP 4-25	53.522	28.281	0.586	0.103	11.111	0.235	0.388	4.706	98.932	14.2	53.5	32.3
BCP 4-26	53.744	29.701	0.582	0.015	12.118	0.148	0.348	4.256	100.913	3.0	68.1	28.9
BCP 4-27	54.820	28.500	0.535	0.026	10.664	0.052	0.423	4.911	99.932	5.2	84.4	10.4
BCP 4-28	54.115	29.127	0.550	0.050	11.210	0.061	0.389	4.758	100.259	10.0	77.8	12.2
BCP 4-29	54.649	28.538	1.057	0.520	10.986	0.126	0.439	4.541	100.856	47.9	40.5	11.6
BCP 4-30	54.962	29.022	0.536	0.010	11.347	0.118	0.462	4.721	101.177	1.6	78.4	19.9
BCP 4-31	56.432	27.706	0.525	0.026	9.133	0.013	0.569	5.357	99.762	4.3	93.5	2.1
BCP 4-32	55.295	28.225	0.506	0.042	10.773	0.339	0.503	5.130	100.813	4.7	56.9	38.4
BCP 4-33	55.902	27.965	0.511	0.053	10.357	0.148	0.543	5.452	100.931	7.1	73.0	19.9
BCP 4-34	54.902	28.748	0.478	0.021	11.220	0.022	0.474	5.157	101.021	4.0	91.8	4.2
BCP 4-35	55.311	28.519	0.580	0.028	10.879	0.174	0.506	5.130	101.127	4.0	71.5	24.6
BCP 4-36	57.175	26.711	0.643	0.016	9.126	0.070	0.735	5.640	100.114	1.9	89.6	8.5
BCP 4-37	56.715	26.791	0.509	0.017	8.963	0.117	0.695	5.865	99.672	2.0	83.8	14.2
BCP 4-38	57.121	26.545	0.535	0.027	8.731	0.000	0.678	5.772	99.409	3.8	96.2	0.0

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BCP 4-39	57.748	26.669	0.489	0.017	8.444	0.096	0.746	5.961	100.169	2.0	86.8	11.1
BCP 4-40	57.849	26.746	0.529	0.020	8.681	0.178	0.756	5.656	100.414	2.0	79.3	18.7
BCP 4-41	57.912	26.460	0.530	0.009	8.290	0.256	0.720	6.157	100.332	0.9	73.1	26.0
BCP 4-42	55.851	28.041	0.483	0.030	10.116	0.135	0.529	5.063	100.247	4.3	76.2	19.4
BCP 4-43	56.399	27.688	0.556	0.017	9.611	0.117	0.570	5.275	100.234	2.5	80.9	16.7
BCP 4-44	54.175	28.962	0.583	0.030	11.915	0.092	0.428	4.705	100.888	5.4	78.0	16.7
BCP 4-45	54.934	28.860	0.605	0.028	11.111	0.118	0.519	4.783	100.958	4.2	78.1	17.7
BCP 4-46	54.873	28.052	0.609	0.027	10.553	0.065	0.540	5.148	99.866	4.3	85.4	10.3
BCP 4-47	56.562	26.862	0.548	0.035	9.861	0.078	0.618	5.390	99.954	4.8	84.5	10.7
BCP 4-48	56.370	27.554	0.802	0.040	9.857	0.161	0.630	5.226	100.640	4.8	75.8	19.3
BCP 4-49	54.531	28.814	0.576	0.040	11.418	0.035	0.490	4.488	100.392	7.1	86.8	6.2
BCP 4-50	55.187	28.099	0.578	0.024	10.306	0.278	0.570	5.225	100.267	2.8	65.3	31.9
BCP 4-51	54.931	28.911	0.577	0.038	11.150	0.265	0.465	4.967	101.304	4.9	60.6	34.5
BCP 4-52	56.199	27.430	0.614	0.025	10.119	0.239	0.598	5.472	100.696	2.9	69.4	27.7
BCP 4-53	55.832	28.118	0.641	0.030	9.979	0.304	0.538	5.384	100.826	3.5	61.7	34.9
BCP 4-54	56.947	27.225	0.612	0.024	9.294	0.122	0.678	5.644	100.546	2.9	82.3	14.8
BCP 4-55	56.666	27.401	0.563	0.033	9.773	0.217	0.592	5.446	100.690	4.0	70.3	25.8
BCP 4-56	56.428	27.390	0.560	0.040	10.056	0.048	0.542	5.205	100.269	6.3	86.1	7.6
BCP 4-57	57.385	26.108	0.613	0.031	9.049	0.174	0.669	5.914	99.943	3.6	76.5	19.9
BCP 4-58	54.556	28.765	0.551	0.019	11.312	0.183	0.338	4.799	100.523	3.5	62.6	33.9
BCP 4-59	55.806	28.144	0.505	0.033	10.546	0.326	0.370	4.622	100.351	4.5	50.7	44.8
BCP 4-60	56.951	27.406	0.474	0.012	9.541	0.031	0.434	5.754	100.602	2.5	91.1	6.4
BCP 4-61	56.590	27.283	0.462	0.020	9.821	0.144	0.406	5.688	100.415	3.5	71.3	25.2
BCP 4-62	57.072	27.112	0.476	0.019	8.998	0.044	0.456	5.885	100.062	3.6	88.0	8.4
BCP 4-63	60.229	24.935	0.461	0.013	6.817	0.204	0.701	7.269	100.628	1.4	76.4	22.2
BCP 4-64	60.685	25.214	0.383	0.006	6.507	0.000	0.562	7.140	100.496	1.0	99.0	0.0
BCP 4-65	61.202	25.024	0.354	0.006	6.438	0.048	0.590	7.216	100.878	1.0	91.6	7.4

BCP 4-66	60.254	25.883	0.351	0.012	7.050	0.152	0.480	7.194	101.376	1.8	74.5	23.6
BCP 4-67	61.557	24.771	0.339	0.015	5.826	0.174	0.594	7.647	100.923	1.9	75.9	22.2
BCP 4-68	61.322	24.767	0.329	0.008	5.835	0.195	0.540	7.514	100.510	1.0	72.7	26.3
BCP 4-69	56.910	21.154	1.779	1.850	4.521	0.130	0.456	6.776	93.574	76.0	18.7	5.3
BCP 3-1	62.631	24.109	0.296	0.011	5.144	0.048	0.626	8.064	100.928	1.6	91.5	7.0
BCP 3-2	60.176	24.576	0.440	0.026	6.070	0.100	0.519	7.915	99.823	4.1	80.5	15.5
BCP 3-3	60.986	24.930	0.441	0.014	6.369	0.096	0.547	7.640	101.023	2.2	83.3	14.6
BCP 3-4	60.079	25.371	0.466	0.006	7.047	0.087	0.494	6.854	100.404	1.0	84.2	14.8
BCP 3-5	58.470	26.294	0.457	0.000	8.064	0.039	0.430	6.618	100.372	0.0	91.7	8.3
BCP 3-6	59.097	26.422	0.396	0.002	7.751	0.174	0.430	6.857	101.126	0.3	71.0	28.7
BCP 3-7	58.972	26.082	0.532	0.017	7.855	0.139	0.555	6.905	101.056	2.3	78.1	19.6
BCP 3-8	58.642	26.548	0.505	0.030	8.266	0.143	0.478	6.683	101.294	4.6	73.4	22.0
BCP 3-9	58.934	26.511	0.486	0.011	8.111	0.152	0.555	6.559	101.319	1.5	77.3	21.2
BCP 3-10	58.728	26.063	0.441	0.012	7.584	0.252	0.607	6.503	100.189	1.4	69.7	28.9
BCP 3-11	58.916	24.877	0.455	0.018	7.637	0.182	0.575	6.729	99.389	2.3	74.2	23.5
BCP 3-12	58.839	26.148	0.485	0.013	8.003	0.148	0.532	6.723	100.890	1.8	76.8	21.3
BCP 3-13	58.742	25.981	0.493	0.025	7.832	0.143	0.602	6.729	100.548	3.2	78.2	18.6
BCP 3-14	58.684	25.951	0.471	0.013	7.718	0.278	0.557	6.680	100.351	1.5	65.7	32.8
BCP 3-15	59.316	25.719	0.567	0.015	7.743	0.178	0.533	5.969	100.040	2.0	73.4	24.6
BCP 3-16	59.294	26.416	0.477	0.011	7.650	0.269	0.535	6.881	101.534	1.4	65.6	33.0
BCP 3-17	59.280	26.082	0.468	0.017	7.602	0.295	0.568	7.052	101.363	1.9	64.5	33.6
BCP 3-18	59.646	25.731	0.470	0.011	6.709	0.382	0.612	7.164	100.724	1.1	60.9	38.0
BCP 3-19	59.712	25.829	0.433	0.012	7.401	0.161	0.588	7.059	101.194	1.6	77.3	21.1
BCP 3-20	59.903	25.807	0.444	0.018	7.216	0.078	0.491	6.873	100.829	3.0	83.7	13.3
BCP 3-21	57.691	27.279	0.465	0.026	8.759	0.131	0.405	6.373	101.127	4.5	72.2	23.3
BCP 3-22	57.061	27.093	0.473	0.023	8.710	0.196	0.418	6.443	100.416	3.6	65.7	30.7
BCP 3-23	55.403	25.911	5.643	0.329	8.590	0.155	0.401	5.844	102.275	37.2	45.3	17.5

BCP 3-24	56.731	27.783	0.486	0.014	9.326	0.178	0.429	5.900	100.848	2.2	69.1	28.7
BCP 3-25	57.198	27.234	0.514	0.027	9.014	0.309	0.518	6.101	100.916	3.2	60.7	36.2
BCP 3-26	57.982	26.970	0.503	0.035	8.712	0.196	0.506	6.178	101.081	4.7	68.7	26.6
BCP 3-27	57.623	26.934	0.457	0.031	8.985	0.157	0.477	6.167	100.830	4.7	71.8	23.5
BCP 3-28	57.528	27.092	0.517	0.021	8.866	0.126	0.508	5.864	100.521	3.1	77.6	19.3
BCP 3-29	57.738	27.042	0.448	0.007	8.869	0.322	0.508	6.371	101.305	0.9	60.7	38.4
BCP 3-30	58.141	26.914	0.535	0.015	7.867	0.196	0.499	6.362	100.529	2.2	70.3	27.5
BCP 3-31	58.246	26.746	0.484	0.006	8.695	0.217	0.489	6.563	101.446	0.8	68.7	30.5
BCP 3-32	57.580	27.613	0.402	0.039	9.199	0.257	0.437	5.997	101.523	5.3	59.6	35.0
BCP 3-33	57.821	26.991	0.418	0.029	8.507	0.113	0.481	6.060	100.419	4.6	77.3	18.1
BCP 3-34	59.800	25.919	0.488	0.008	7.418	0.196	0.611	6.922	101.361	0.9	75.1	24.0
BCP 3-35	58.483	26.174	0.516	0.026	7.604	0.096	0.555	6.791	100.244	3.9	82.0	14.1
BCP 3-36	58.856	26.337	0.471	0.018	8.009	0.148	0.548	6.789	101.176	2.5	76.8	20.7
BCP 3-37	57.826	25.977	0.744	0.027	8.015	0.000	0.724	6.411	99.725	3.5	96.5	0.0
BCP 3-38	59.717	25.826	0.435	0.000	7.327	0.017	0.451	7.157	100.930	0.0	96.3	3.7
BCP 3-39	60.792	25.057	0.382	0.032	6.469	0.152	0.433	7.552	100.869	5.2	70.2	24.6
BCP 2-1	59.022	26.275	0.358	0.015	7.756	0.083	0.336	6.963	100.807	3.4	77.5	19.0
BCP 2-2	59.965	25.571	0.459	0.020	7.138	0.170	0.500	7.095	100.916	2.9	72.5	24.6
BCP 2-3	60.005	25.661	0.424	0.028	7.211	0.183	0.485	7.180	101.175	4.0	69.7	26.3
BCP 2-4	58.480	26.655	0.343	0.006	8.306	0.052	0.376	6.511	100.730	1.5	86.5	12.0
BCP 2-5	58.388	26.817	0.323	0.012	8.556	0.196	0.362	6.153	100.807	2.1	63.5	34.4
BCP 2-6	61.340	25.037	0.314	0.015	6.391	0.091	0.452	7.533	101.172	2.7	81.0	16.4
BCP 2-7	58.775	26.649	0.358	0.014	8.391	0.061	0.368	6.388	101.003	3.2	83.0	13.7
BCP 2-8	60.098	25.696	0.357	0.014	6.819	0.209	0.503	7.014	100.709	1.9	69.3	28.8
BCP 2-9	60.029	25.469	0.422	0.034	6.826	0.096	0.610	7.043	100.528	4.5	82.5	13.0
BCP 2-10	60.054	25.585	0.412	0.019	7.007	0.231	0.605	6.582	100.492	2.2	70.8	27.0
BCP 2-11	59.270	25.637	0.400	0.026	7.315	0.291	0.630	6.853	100.422	2.8	66.5	30.7

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BCP 2-12	59.756	26.120	0.429	0.023	7.412	0.300	0.526	6.626	101.191	2.7	62.0	35.3
BCP 2-13	58.285	25.742	0.417	0.011	8.037	0.174	0.485	6.356	99.506	1.6	72.4	26.0
BCP 2-14	58.150	26.643	0.456	0.023	8.414	0.191	0.522	6.271	100.671	3.2	70.8	26.0
BCP 2-15	58.941	25.968	0.408	0.025	8.084	0.326	0.520	6.293	100.565	2.8	59.7	37.5
BCP 2-16	56.864	27.266	0.419	0.031	8.826	0.183	0.459	6.129	100.178	4.6	68.2	27.2
BCP 2-17	58.075	27.164	0.429	0.018	8.748	0.135	0.484	6.292	101.344	2.7	76.1	21.2
BCP 2-19	52.728	30.511	0.500	0.020	13.128	0.000	0.223	4.026	101.136	8.4	91.6	0.0
BCP 2-20	53.280	29.912	0.468	0.025	12.142	0.135	0.254	4.409	100.625	6.0	61.4	32.6
BCP 2-21	55.679	28.730	0.453	0.012	10.754	0.031	0.326	5.058	101.043	3.3	88.4	8.3
BCP 2-22	56.321	28.210	0.432	0.015	10.131	0.000	0.401	5.540	101.050	3.7	96.3	0.0
BCP 2-23	57.125	27.859	0.481	0.037	9.505	0.161	0.413	5.950	101.530	6.0	67.7	26.4
BCP 2-24	56.170	27.938	0.407	0.040	10.069	0.131	0.460	5.602	100.816	6.3	73.0	20.7
BCP 2-25	56.212	27.667	0.523	0.041	9.958	0.283	0.416	5.240	100.339	5.6	56.2	38.2
BCP 2-26	57.226	27.547	0.452	0.022	9.394	0.148	0.499	5.693	100.980	3.3	74.6	22.1
BCP 2-27	56.445	27.571	0.485	0.016	9.497	0.091	0.442	5.796	100.343	3.0	80.4	16.6
BCP 2-28	56.674	26.783	0.461	0.018	9.171	0.335	0.490	5.567	99.499	2.1	58.1	39.7
BCP 2-29	56.166	27.274	0.500	0.031	9.309	0.083	0.483	6.080	99.926	5.2	81.0	13.9
BCP 2-30	52.989	30.047	0.486	0.032	12.761	0.039	0.241	4.133	100.726	10.1	77.3	12.6
BCP 2-31	58.068	26.588	0.456	0.020	8.628	0.222	0.505	6.269	100.757	2.7	67.6	29.7
BCP 2-32	56.951	27.449	0.382	0.028	9.282	0.061	0.457	5.816	100.425	5.0	83.8	11.2
BCP 2-33	56.026	28.288	0.433	0.012	10.285	0.131	0.313	5.402	100.888	2.5	68.7	28.7
BCP 2-34	57.241	27.110	0.408	0.015	9.385	0.178	0.344	5.969	100.649	2.8	64.0	33.2
BCP 2-35	59.975	25.420	0.390	0.013	7.022	0.274	0.509	7.077	100.679	1.6	64.0	34.4
BCP 2-36	59.305	25.867	0.308	0.017	7.390	0.109	0.371	7.127	100.493	3.3	74.8	21.9
BCP 2-37	59.875	25.505	0.399	0.016	7.058	0.152	0.492	6.892	100.389	2.4	74.5	23.0
BCP 2-38	60.369	25.415	0.448	0.005	6.833	0.413	0.553	7.067	101.101	0.5	57.0	42.5
BCP 2-39	59.772	25.324	0.377	0.000	7.143	0.195	0.528	6.852	100.192	0.0	73.0	27.0

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BCP 2-40	59.508	26.089	0.318	0.000	7.426	0.169	0.410	6.944	100.864	0.0	70.7	29.3
BCP 2-41	59.607	25.736	0.340	0.019	7.100	0.191	0.415	7.178	100.584	3.0	66.4	30.6
BCP 2-42	58.630	26.291	0.643	0.003	7.807	0.000	0.420	6.410	100.205	0.8	99.2	0.0
BCP 2-43	62.088	23.854	0.248	0.008	4.932	0.161	0.339	7.977	99.606	1.6	66.8	31.6
BCP 1-1	59.644	25.973	0.283	0.014	7.193	0.087	0.314	7.108	100.615	3.3	75.7	21.0
BCP 1-2	56.056	25.135	0.669	0.700	9.876	0.004	0.168	5.724	98.334	80.2	19.3	0.5
BCP 1-3	55.030	28.227	0.289	0.016	10.801	0.035	0.171	4.570	99.138	7.1	77.1	15.8
BCP 1-4	55.017	28.745	0.290	0.021	10.972	0.205	0.205	5.236	100.690	4.9	47.5	47.6
BCP 1-5	60.416	25.756	0.264	0.000	6.685	0.174	0.314	6.883	100.492	0.0	64.4	35.6
BCP 1-6	59.402	26.285	0.247	0.013	7.589	0.152	0.318	7.053	101.058	2.6	65.8	31.5
BCP 1-7	59.907	25.430	0.282	0.016	7.167	0.044	0.320	7.160	100.324	4.2	84.3	11.5
BCP 1-8	58.888	26.057	0.323	0.010	7.708	0.000	0.338	6.725	100.048	2.8	97.2	0.0
BCP 1-9	59.617	25.979	0.348	0.026	7.373	0.196	0.379	6.729	100.645	4.3	63.1	32.6
BCP 1-10	58.701	26.325	0.301	0.018	7.674	0.018	0.343	6.922	100.301	4.6	90.8	4.6
BCP 1-11	57.657	27.024	0.290	0.006	8.645	0.183	0.304	6.456	100.565	1.3	61.6	37.1
BCP 1-12	59.622	26.163	0.314	0.019	7.432	0.000	0.329	6.985	100.864	5.3	94.7	0.0
BCP 1-13	59.303	26.323	0.295	0.018	7.833	0.105	0.326	6.832	101.035	4.0	72.7	23.3
BCP 1-14	56.447	27.931	0.332	0.015	9.870	0.139	0.246	5.635	100.614	3.8	61.3	34.8
BCP 1-15	56.469	27.829	0.306	0.021	9.641	0.174	0.257	5.067	99.764	4.7	56.8	38.5
BCP 1-16	58.548	26.172	0.276	0.012	7.587	0.061	0.338	7.086	100.080	2.9	82.3	14.8
BCP 1-17	60.056	25.913	0.215	0.008	7.056	0.078	0.280	7.296	100.902	2.2	76.4	21.4
BCP 1a-1	59.504	25.708	0.335	0.000	6.988	0.226	0.339	7.083	100.183	0.0	60.0	40.0
BCP 1a-2	59.678	25.886	0.357	0.009	7.280	0.013	0.353	6.941	100.517	2.4	94.1	3.5
BCP 1a-3	58.419	26.450	0.431	0.015	8.467	0.148	0.354	6.544	100.828	3.0	68.4	28.6
BCP 1a-4	57.764	26.981	0.335	0.000	8.538	0.065	0.347	6.364	100.394	0.0	84.2	15.8
BCP 1a-5	58.159	26.968	0.337	0.013	8.836	0.105	0.336	6.420	101.173	2.8	74.1	23.1
BCP 1a-6	54.986	29.265	0.374	0.015	11.373	0.157	0.219	5.041	101.429	3.8	56.1	40.1

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BCP 1a-7	53.492	30.059	0.384	0.018	12.283	0.166	0.192	4.588	101.181	4.8	51.2	44.1
BCP 1a-8	56.060	27.930	0.347	0.000	10.061	0.227	0.375	5.689	100.688	0.0	62.4	37.6
BCP 1a-9	58.545	26.892	0.417	0.022	8.572	0.152	0.486	6.356	101.443	3.4	73.5	23.1
BCP 1a-10	58.955	26.298	0.431	0.022	8.152	0.231	0.527	6.460	101.076	2.9	67.6	29.6
BCP 1a-11	57.436	27.290	0.392	0.007	8.975	0.118	0.425	6.192	100.836	1.3	77.3	21.4
BCP 1a-12	58.435	26.010	0.447	0.018	8.062	0.070	0.485	6.572	100.099	3.1	84.8	12.2
BCP 1a-13	58.774	25.898	0.454	0.020	7.700	0.152	0.486	6.675	100.158	3.1	73.8	23.1
BCP 1a-14	58.956	25.991	0.414	0.007	7.551	0.057	0.447	6.705	100.128	1.4	87.5	11.1
BCP 1a-15	60.376	25.469	0.380	0.004	6.833	0.030	0.423	7.304	100.819	0.9	92.4	6.6
BCP 1a-16	60.729	25.518	0.372	0.010	6.565	0.126	0.372	7.057	100.749	2.0	73.2	24.8
BCP 1a-17	61.590	25.104	0.322	0.006	6.163	0.000	0.406	7.744	101.335	1.4	98.6	0.0
RRp 2a-1	56.640	27.628	0.399	0.026	9.713	0.366	0.410	5.600	100.781	3.2	51.1	45.6
RRp 2a-2	56.400	27.745	0.467	0.026	9.085	0.157	0.444	5.408	99.732	4.2	70.8	25.0
RRp 2a-3	56.526	27.798	0.495	0.028	9.854	0.144	0.425	5.492	100.762	4.7	71.2	24.1
RRp 2a-4	56.403	27.923	0.419	0.023	9.731	0.231	0.446	5.658	100.834	3.3	63.7	33.0
RRp 2a-5	56.145	27.929	0.404	0.010	9.599	0.139	0.409	5.492	100.125	1.7	73.3	25.0
RRp 2a-6	55.775	28.015	0.397	0.000	9.779	0.148	0.429	5.402	99.947	0.0	74.3	25.7
RRp 2a-7	55.479	27.980	0.385	0.014	10.325	0.048	0.395	4.981	99.606	3.1	86.4	10.5
RRp 2a-8	55.839	28.659	0.357	0.028	10.644	0.057	0.344	5.085	101.012	6.5	80.3	13.2
RRp 2a-9	54.383	28.437	0.384	0.000	10.862	0.179	0.382	5.043	99.670	0.0	68.1	31.9
RRp 2a-10	54.614	28.928	0.397	0.012	10.254	0.183	0.368	5.259	100.014	2.1	65.4	32.5
RRp 2a-11	55.506	28.609	0.426	0.013	10.421	0.144	0.372	5.153	100.644	2.5	70.3	27.2
RRp 2a-12	57.198	27.356	0.412	0.017	9.081	0.161	0.430	5.712	100.367	2.8	70.7	26.5
RRp 2a-13	56.209	27.928	0.335	0.027	9.728	0.214	0.438	4.740	99.619	4.0	64.5	31.5
RRp 2a-14	56.080	28.129	0.412	0.016	10.090	0.087	0.418	5.111	100.343	3.0	80.2	16.7
RRp 2a-15	55.646	27.714	0.439	0.026	9.751	0.183	0.382	5.388	99.529	4.4	64.7	31.0
RRp 2a-16	55.424	28.751	0.502	0.014	10.453	0.131	0.367	5.150	100.791	2.8	71.7	25.6

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RRp 2a-17	54.715	28.928	0.439	0.049	11.377	0.044	0.413	4.775	100.739	9.7	81.7	8.6
RRp 2a-18	55.004	28.583	0.441	0.034	10.844	0.026	0.389	4.838	100.159	7.6	86.6	5.8
RRp 2a-19	54.619	29.086	0.416	0.024	11.369	0.000	0.323	4.869	100.706	7.0	93.0	0.0
RRp 2a-20	54.970	28.564	0.498	0.019	10.817	0.057	0.389	5.018	100.331	4.1	83.7	12.2
RRp 2a-21	56.080	28.015	0.365	0.015	9.650	0.083	0.393	5.554	100.155	3.0	80.1	16.9
RRp 2a-22	55.810	27.588	0.377	0.023	8.950	0.157	0.465	5.629	99.000	3.6	72.1	24.3
RRp 2a-23	56.815	27.455	0.447	0.005	9.237	0.231	0.491	5.551	100.233	0.7	67.5	31.7
RRp 2a-25	57.584	26.708	0.391	0.013	8.455	0.044	0.610	6.203	100.007	2.0	91.5	6.5
RRp 2a-26	56.867	26.731	0.396	0.014	8.549	0.209	0.608	6.079	99.451	1.7	73.2	25.2
RRp 2a-27	57.291	27.244	0.359	0.032	8.930	0.235	0.605	5.676	100.371	3.7	69.3	27.0
RRp 2a-28	57.009	27.156	0.406	0.018	8.907	0.105	0.515	5.747	99.861	2.7	80.8	16.4
RRp 2a-29	57.036	27.222	0.436	0.016	8.846	0.178	0.543	5.844	100.122	2.2	73.6	24.2
RRp 2a-30	57.267	27.107	0.398	0.027	8.961	0.030	0.545	5.810	100.144	4.5	90.5	5.0
RRp 2a-31	55.491	28.319	0.404	0.007	10.023	0.031	0.471	5.082	99.828	1.5	92.5	6.0
RRp 2a-32	54.196	29.056	0.439	0.023	11.273	0.148	0.347	4.606	100.087	4.4	67.0	28.6
RRp 2a-33	54.769	28.866	0.428	0.029	11.184	0.227	0.322	4.792	100.615	5.0	55.7	39.3
RRp 2a-34	54.366	29.322	0.417	0.016	11.305	0.327	0.347	4.723	100.823	2.4	50.3	47.4
RRp 2a-35	53.625	29.698	0.473	0.024	12.059	0.048	0.354	4.513	100.793	5.6	83.2	11.3
RRp 2a-36	53.174	29.736	0.445	0.024	12.177	0.048	0.313	4.042	99.959	6.3	81.3	12.5
RRp 2a-37	52.172	30.807	0.483	0.017	13.194	0.087	0.255	3.805	100.820	4.7	71.0	24.3
RRp 2a-38	52.015	30.943	0.468	0.025	13.288	0.061	0.241	3.685	100.725	7.7	73.6	18.7
RRp 2a-39	51.830	30.690	0.404	0.027	12.929	0.061	0.270	3.721	99.931	7.5	75.4	17.1
RRp 2a-40	52.131	30.654	0.436	0.049	13.349	0.000	0.289	3.554	100.461	14.5	85.5	0.0
RRp 2a-41	51.683	31.078	0.403	0.017	13.773	0.153	0.229	3.542	100.876	4.2	57.4	38.4
RRp 2a-42	54.145	28.458	0.395	0.019	10.399	0.157	0.437	5.163	99.172	3.0	71.3	25.6
RRp 2a-43	52.701	30.122	0.409	0.015	12.824	0.201	0.250	3.915	100.436	3.3	53.7	43.1
RRp 2a-44	53.674	29.547	0.396	0.039	11.838	0.092	0.327	4.340	100.254	8.6	71.4	20.0

RRp 2a-45	52.712	30.394	0.393	0.008	12.451	0.127	0.278	3.909	100.272	1.9	67.4	30.7
RRp 2a-46	58.004	26.997	0.391	0.018	8.760	0.240	0.622	5.976	101.006	2.0	70.8	27.3
RRp 2a-47	57.263	26.842	0.341	0.015	8.602	0.178	0.590	6.084	99.913	1.9	75.3	22.8
RRp 2a-48	58.146	26.487	0.347	0.011	8.060	0.022	0.602	6.013	99.687	1.7	94.9	3.4
RRp 2a-49	55.058	28.854	0.419	0.020	10.918	0.044	0.368	5.090	100.770	4.5	85.3	10.1
RRp 2a-50	55.764	28.337	0.373	0.007	10.160	0.087	0.403	5.044	100.176	1.5	81.0	17.5
RRp 2a-51	56.320	27.022	0.387	0.006	9.240	0.057	0.525	5.509	99.067	1.0	89.4	9.6
RRp 2a-52	55.799	28.256	0.371	0.017	10.058	0.078	0.444	5.295	100.318	3.2	82.3	14.5
RRp 2a-53	54.399	29.399	0.415	0.000	11.044	0.287	0.324	4.634	100.501	0.0	53.0	47.0
RRp 2a-54	55.010	28.359	0.341	0.008	10.780	0.131	0.386	4.766	99.780	1.5	73.6	24.9
RRp 2a-55	51.942	30.385	0.379	0.014	12.551	0.000	0.241	3.506	99.019	5.5	94.5	0.0
RRp 2a-56	55.275	28.319	0.402	0.032	9.973	0.083	0.451	5.129	99.664	5.7	79.7	14.6
RRp 2a-57	55.285	28.324	0.399	0.016	10.428	0.065	0.411	4.901	99.830	3.3	83.4	13.3
RRp 2a-58	52.559	30.443	0.426	0.026	13.113	0.153	0.235	3.778	100.730	6.2	56.8	36.9
RRp 2a-59	52.853	30.116	0.450	0.015	12.597	0.174	0.296	4.024	100.525	3.0	61.0	36.0
RRp 2a-60	54.301	29.394	0.461	0.010	11.523	0.048	0.344	4.421	100.502	2.5	85.6	11.9
RRp 2a-61	54.347	28.697	0.425	0.024	11.240	0.035	0.363	4.610	99.741	5.7	86.0	8.3
RRp 2a-62	52.703	30.832	0.391	0.013	12.934	0.113	0.239	3.709	100.933	3.4	65.5	31.1
RRp 2a-63	56.875	27.106	0.396	0.031	9.441	0.222	0.497	5.583	100.150	4.2	66.2	29.6
RRp 2a-64	51.483	30.311	0.472	0.012	13.537	0.179	0.222	3.592	99.808	2.9	53.8	43.3
RRp 2a-65	51.968	30.628	0.482	0.022	13.097	0.153	0.265	3.667	100.281	5.0	60.3	34.7
RRp 2a-66	54.346	29.221	0.444	0.026	11.389	0.057	0.365	4.302	100.149	5.7	81.6	12.7
RRp 2a-67	55.369	28.627	0.422	0.021	10.455	0.148	0.402	4.996	100.441	3.7	70.4	25.9
RRp 2a-68	55.973	28.319	0.406	0.027	10.173	0.205	0.445	4.780	100.327	4.0	65.7	30.3
RRp 2a-69	56.414	27.817	0.417	0.015	9.512	0.135	0.509	5.442	100.260	2.3	77.2	20.5
RRp 2a-70	56.769	27.141	0.415	0.011	9.028	0.009	0.518	5.369	99.258	2.0	96.4	1.6
RRp 2a-71	56.529	27.720	0.369	0.024	9.516	0.013	0.480	5.275	99.925	4.6	92.9	2.5

RRp 2a-72	54.400	27.632	0.342	0.007	10.500	0.118	0.433	4.939	98.371	1.2	77.7	21.1
RRp 2a-73	54.550	29.097	0.376	0.022	11.345	0.148	0.352	4.879	100.769	4.1	67.4	28.4
RRp 2a-74	54.694	29.059	0.405	0.023	11.274	0.070	0.373	4.018	99.915	4.9	80.1	15.0

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