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Data Repository

Supplementary File 1. Descriptions of samples and zircon U-Pb, zircon Lu-Hf, and zircon $\delta^{18}O$ results

Supplementary Table DR1. Zircon U-Pb geochronology data.

Supplementary Table DR2. Zircon Lu-Hf isotopic data.

Supplementary Table DR3. Zircon oxygen isotope SIMS data from the WiscSIMS lab.

Supplementary Table DR4. Compiled Sm-Nd isotopic data and oxygen isotopic data.

Link location: http://www.geosociety.org/datarepository/2018/2018202_Tables.xls

SUPPLEMENTARY FILE 1

Descriptions of samples and zircon U-Pb, zircon Lu-Hf, and zircon $\delta^{18}O$ results

Neogene samples

Sample **Bartstow_T** is a hypabyssal andesite to rhyodacite, part of the Pickhandle Fm. located on Elephant Mountain (Dibblee, 1970; 1994; Cox and Wilshire, 1993) near Barstow, California. 21 zircon grains yielded a U-Pb age of 18.2 ± 0.7 Ma. Three older grains with Mesozoic ages (89–142 Ma) are interpreted as inherited age domains. No Proterozoic age domains were measured. The average U/Th ratio of zircon grains used to calculate the age is 3.1 ± 0.7. The interpreted crystallization age is in agreement with a previous age estimate in Cox and Wilshire (1993). Zircon εHf(t) values range between −8.8 and −1.3 for zircons with crystallization ages, with a weighted mean of −5.0 ± 2.8 εHf(t), defined by 8 grains. Zircon εHf(t) values for the three zircon grains with inherited ages range from −5.8 to −8.8.

Sample **Buckeye** is from the Belmont granite in Arizona, as mapped by Richard and Stimac (1994). 13 zircon grains yielded age of 20.0 ± 0.7 Ma, excluding one younger grain with an age of 18 Ma, which we ascribe to minor radiogenic Pb loss. No older age domains were measured. The average U/Th ratio of zircon grains used to calculate the age is 1.4 ± 0.5. The interpreted crystallization age is in agreement with a whole rock Rb-Sr age reported by Spencer et al. (1995). Zircon εHf(t) values range between −4.8 and −2.8 for zircons with crystallization ages, with a weighted mean of −3.9 ± 0.7 εHf(t) defined by 6 grains.

Sample **Reefer** is a porphyritic rhyolite, part of the Soledad mountain volcanic complex in California, mapped by Dibblee (1963; 1967b). 11 grains yielded a zircon U-Pb age of 20.3 ± 0.8 Ma, excluding one younger grain (16.6 Ma), which we ascribe to minor radiogenic Pb loss. The age estimate is consistent with previous geochronology (McCusker, 1982). The average U/Th ratio of zircon grains used to calculate the age is 4.1 ± 1.4. No older age domains were measured. Zircons are elongate, euhedral, have xenocrystic cores with finely oscillatory zoned rims and overgrowths. Only the finely zoned rims were targeted for Lu-Hf and O isotope analyses. Zircon εHf(t) values range between 6.4 and 3.3 for zircons with crystallization ages, with a weighted mean of 4.5 ± 1.2 εHf(t), defined by 8 grains. Zircon $\delta^{18}O$ values range between 8.25 and 8.51, with a weighted mean of 8.4 ± 0.2 ‰, defined by 10 grains.

Sample **Snaggletooth** is a dacite from the hangingwall of Chemehuevi detachment fault near the Snaggletooth pinnacle geographic feature in California (John, 1987). 20 grains yielded a zircon U-Pb age of 20.3 ± 0.9 Ma. All zircon grains had U/Th ratios <2. No older age domains were measured. The zircon U-Pb age estimate is consistent with ages presented in Howard and John (1987). Zircons are elongate, euhedral, broadly oscillatory zoned, have bright CL emissions, and contain abundant inclusions. Xenocrystic cores are not present. Zircon εHf(t) values range between −8.3 and −2.0 for zircons with crystallization ages, with a weighted mean of −5.8 ± 2.2 εHf(t), defined by 10 grains. Zircon $\delta^{18}O$ values range between 6.12 and 6.61, with a weighted mean of 6.4 ± 0.3 ‰, defined by 9 grains

Paleogene samples

Sample **Cochise** is a quartz monzonite from the Cochise Stronghold pluton in the Dragoon Mountains, Arizona. 22 grains yielded a zircon U-Pb age of 26.1 ± 1.8 Ma. No older age domains were measured. The age estimate is consistent with K-Ar ages presented in Marvin et al. (1978). The average U/Th ratio of zircon grains used to calculate the age is 1.4 ± 1.4. Zircons are elongate, euhedral, do not have xenocrystic cores, and are very broadly oscillatory zoned with abundant inclusions. Zircon εHf(t) values range between −9.8 and −4.7 for zircons with crystallization ages, with a weighted mean of −7.1 ± 1.4 εHf(t), defined by 10 grains. Zircon $\delta^{18}O$ values range between 5.56 and 6.56, with a weighted mean of 6.2 ± 0.5 ‰, defined by 10 grains.

Sample **Granite Gap** is a quartz monzonite from the Granite Gap pluton in the Peloncillo Mountains, New Mexico. 22 grains yielded a zircon U-Pb age of 34.2 ± 1.2 Ma, excluding one younger grain (28 Ma), which we ascribe to minor radiogenic Pb loss. One older grain (37 Ma) was measured, which may represent all or part of an older age domain. No older age domains were measured. The average U/Th ratio of zircon grains used to calculate the age is 1.6 ± 0.5 The zircon U-Pb age estimate is consistent with biotite K-Ar ages reported in Hoggatt et al. (1977). Zircons are elongate, euhedral, prismatic, with xenocrystic to zoned cores and finely oscillatory zoned rims and overgrowths. Inclusions are common. Zircon εHf(t) values range between −12.5 and −6.8 for zircons with crystallization ages, with a weighted mean of −9.3 ± 1.8 εHf(t), defined by 10 grains. Zircon $\delta^{18}O$ values range between 4.58 and 5.74, with a weighted mean of 5.2 ± 0.8 ‰, defined by 9 grains.

Sample **Hueco** is quartz syenite from Hueco Tanks State Park, Texas. 20 grains yielded a zircon U-Pb age of 34.9 ± 1.2 Ma. No older age domains were measured. All zircon analyses had U/Th ratios ≤ 1. Zircons are equant, broadly oscillatory zoned, and show little change in CL emission intensity from rim to core. The zircon U-Pb age estimate is consistent with a feldspar K-Ar age presented in Henry et al. (1986). Zircon εHf(t) values range between −6.6 and −1.0 for zircons with crystallization ages, with a weighted mean of −1.4 ± 2.2 εHf(t), defined by 5 grains. Zircon $\delta^{18}O$ values range between 4.53 and 5.04, with a weighted mean of 4.8 ± 0.3 ‰, defined by 9 grains.

Sample **Tinaja** is a nepheline syenite from Miller Mountain in the Sierra Tinaja Pinta Group of intrusions in Texas. 5 grains yielded a zircon U-Pb age of 35.7 ± 1.1 Ma, excluding three grains with Proterozoic ages (1.1–1.7 Ga). The zircon U-Pb crystallization age estimate is consistent with biotite K-Ar ages presented in Barker et al. (1977). All zircon analyses used to calculate the crystallization age have U/Th ratios < 3. Zircons are equant, subhedral, do not have obvious pre-magmatic xenocrystic cores, are faintly (and finely) oscillatory zoned to un-zoned. Zircon εHf(t) values range between −3.9 and 5.4 for zircons with crystallization ages, with a weighted mean of −0.5 ± 3.8 εHf(t), defined by 5 grains. Two Proterozoic (1.1 Ga) zircon grains had εHf(t) values of 13.7 and 6.7. Zircon $\delta^{18}O$ values range between 5.04 and 5.59, with a weighted mean of 5.3 ± 0.4 ‰, defined by 10 grains.

Sample **Cooke** is a granodiorite from the western flank of the Cooke's Peak pluton in the Cookes Range, New Mexico. 7 grains yielded a zircon U-Pb age of 39.4 ± 1.5 Ma, excluding 8 zircon grains with Proterozoic ages (1.5–1.6 Ga) and one older grain (42 Ma), which may be a partially mixed age domain analysis. All zircon analyses used to calculate the crystallization age have U/Th ratios ≤ 1. The zircon U-Pb age is consistent with previous K-Ar ages (Loring and Loring, 1980; McLemore et al., 2001). Zircons are elongate, prismatic, with large premagmatic, xenocrystic cores and thin mantling overgrowths and rims that are occasionally oscillatory zoned and generally have high CL emissions (bright). Inclusions are common in zircons. Zircon εHf(t) values range between −10.2 and −5.6 for zircons with crystallization ages, with a weighted mean of −7.8 ± 1.9 εHf(t), defined by 5 grains. Six Proterozoic zircon grains had εHf(t) values that range from 6.1 to 13.2. Zircon $\delta^{18}O$ values from rims and overgrowths range between 3.47 and 5.59, with a weighted mean of 5.1 ± 1.2 ‰, defined by 10 grains. Zircon $\delta^{18}O$ values from zircon cores, which are interpreted to be premagmatic, range from 2.76 to 3.29 ‰.

Sample **UTEP** is a monzodiorte to hypabyssal trachyandesite from the "Campus andesite" from the campus of the University of Texas at El Paso (Barnes et al., 1991). 19 grains yielded a zircon U-Pb age of 46.7 ± 2.2 Ma, excluding one older grain with an age of 57 Ma, which may include part of an inherited age domain in the analysis. No older age domains were measured. The zircon U-Pb crystallization age in agreement with a previously reported biotite K-Ar age of 48.2 ± 1.7 Ma (Hoover et al., 1988). The average U/Th ratio of zircon grains used to calculate the age is 2.4 ± 1.3. Zircon εHf(t) values range between −6.6 and −1.0 for zircons with crystallization ages, with a weighted mean of −3.9 ± 2.1 εHf(t), defined by 5 grains.

Sample **Tyrone** is a quartz monzonite from the Tyrone mine in New Mexico (DuHamel et al., 1995; McLemore, 2008). Leveille and Stegen (2012) report an emplacement age of 55.5 Ma. Zircon εHf(t) values range between −6.6 and −1.0 for zircons with crystallization ages, with a weighted mean of −5.5 ± 1.7 εHf(t), defined by 10 grains.

Sample **Dragoon** is a quartz monzonite from the Texas Canyon pluton in the Dragoon Mountains, Arizona (Cooper and Silver, 1964). 8 grains yielded a zircon U-Pb age of 55.57 ± 1.9 Ma, excluding 4 older grains, consisting of two Cretaceous ages (67 and 86 Ma), a Proterozoic age (1.6 Ga), and a Paleozoic age (320 Ma). The average U/Th ratio of zircon grains used to calculate the age is 4.0 ± 2.5. The zircon U-Pb age is consistent with previous biotite and muscovite K-Ar ages (Marvin et al., 1978). Zircons are elongate, euhedral, with xenocrystic to zoned cores and oscillatory zoned rims and overgrowths. Zircon εHf(t) values range between −19.1 and −9.3 for zircons with crystallization ages, with a weighted mean of −12.1 ± 2.5 εHf(t), defined by 7 grains. Other measured zircon εHf(t) values are −23.0 for the 86 Ma grain, −10.6 for the Paleozoic grain, and 14.6 for the Proterozoic grain. Zircon $\delta^{18}O$ values from rims range between 5.88 and 8.22 ‰, with a weighted mean of 6.6 ± 1.6 ‰, defined by 11 grains. Zircon $\delta^{18}O$ values from cores, which are interpreted to be premagmatic, range from 8.05 to 9.67 ‰, with a weighted mean of 8.8 ± 146 ‰, defined by 4 grains. The age of the premagmatic zircon grains analyzed for $\delta^{18}O$ in uncertain.

Sample **San Juan** is a quartz monzonite from the San Juan (Dos Pobres) copper porphyry deposit in the Safford district, Arizona (Robinson and Cook, 1966). Leveille and Stegen (2012) report an emplacement age of 57 Ma. Zircon εHf(t) values range between −4.7 and −1.0 for zircons with crystallization ages, with a weighted mean of −3.9 ± 1.2 εHf(t), defined by 8 grains. Zircon εHf(t) values for Proterozoic grains (1.2–1.5 Ga) range from 1.9 to 11.0.

Sample **Chino** is a granodiorite from the Chino/Santa Rita copper porphyry deposit in New Mexico (Audétat and Pettke, 2006). Leveille and Stegen (2012) report an emplacement age of 55.5 Ma. Zircon εHf(t) values range between −6.1 and −1.6 for zircons with crystallization ages, with a weighted mean of −4.0 ± 1.1 εHf(t), defined by 16 grains.

Sample **Ajo** is a granodiorite from Cornelia pluton, near the town of Ajo, Arizona (Hagstrum et al., 1987). Leveille and Stegen (2012) report an emplacement age of 63 Ma, Zircon εHf(t) values range between −9.8 and −7.8 for zircons with crystallization ages, with a weighted mean of −8.6 ± 0.8 εHf(t), defined by 8 grains.

Cretaceous samples

Sample **Lakeshore** is a granodiorte from the Lakeshore copper porphyry deposit in Arizona (Cook, 1988). Leveille and Stegen (2012) report an emplacement age of 66 Ma. Zircon εHf(t) values range between −13.5 and −8.0 for zircons with crystallization ages, with a weighted mean of −9.9 ± 1.6 εHf(t), defined by 9 grains.

Sample **Granite_Mtn** is a granodiorite from the Granite Pass pluton in the Iron Mountains Intrusive Suite, California (Howard, 2002). 15 grains yielded a zircon U-Pb age of 71.5 ± 2.8 Ma, excluding 8 premagmatic ages consisting of 4 Cretaceous grains (105–144 Ma), and 4 Proterozoic grains (1.4–1.6 Ga). The age is consistent with previously reported muscovite K-Ar ages (Miller and Howard, 1985). The average U/Th ratio of zircon grains used to calculate the age is 2.4 ± 1.9. Zircons are elongate, prismatic, with angular to sub-rounded xenocrystic premagmatic cores and finely oscillatory zoned overgrowths and rims. Zircon εHf(t) values range between −13.7 and −10.8 for zircons with crystallization ages, with a weighted mean of −12.3 ± 1.0 εHf(t), defined by 9 grains. Zircon εHf(t) values for Proterozoic grains ranges from 4.3 to 9.3. Zircon $\delta^{18}O$ values range between 6.07 and 6.38 ‰, with a weighted mean of 6.2 ± 0.2 ‰, defined by 8 grains.

Sample **Hope** is granodiorite from the Granite Wash pluton in the southern Granite Wash Mountains, Arizona. 22 grains yielded a zircon U-Pb age of 72.7 ± 2.3 Ma excluding 3 older Mesozoic grains (78–86 Ma). No older age domains were measured. Previously published biotite K-Ar and hornblende Ar-Ar ages from the pluton range from 66 to 79 Ma (Reynolds et al., 1989). The average U/Th ratio of zircon grains used to calculate the age is 3.2 ± 1.3. Zircons are elongate, prismatic, and are oscillatory zoned without premagmatic cores. Zircon εHf(t) values range between −14.7 and −8.3 for zircons with crystallization ages, with a weighted mean of −11.1 ± 1.8 εHf(t), defined by 10 grains. Zircon $\delta^{18}O$ values range between 5.37 and 5.81 ‰, with a weighted mean of 5.6 ± 0.2 ‰, defined by 8 grains.

Sample **JDP** is quartz monzonite from the Diamond Joe pluton in the Hualapai Mountains, Arizona. 8 grains yielded a zircon U-Pb age of 72.8 ± 3.2 Ma, excluding three premagmatic Proterozoic ages (1.4–1.7 Ga). The crystallization age is consistent with a previously reported K-Ar age (Gerla, 1988). The average U/Th ratio of zircon grains used to calculate the age is 3.6 ± 1.4. Zircon εHf(t) values range between −15.1 and −11.2 for zircons with crystallization ages, with a weighted mean of −13.5 ± 1.5 εHf(t), defined by 5 grains. Zircon εHf(t) values for Proterozoic grains ranges from 1.7 to 5.0.

Sample **Coxcomb** is granodiorite from the Coxcomb Intrusive Suite, part of Cadiz Valley Batholith, California (Howard, 2002). 19 grains yielded a zircon U-Pb age of 76.1 ± 3.4 Ma, excluding 6 older Permian to Cretaceous grains (288–89 Ma). The average U/Th ratio of zircon grains used to calculate the age is 1.8 ± 0.8. The calculated age is broadly consistent with previously reported zircon U-Pb ages (Calzia et al., 1986; Barth et al., 2004). Zircons are elongate, euhedral, with angular to premagmatic cores and faintly oscillatory zones overgrowths and rims. Inclusions in zircon are common. Zircon εHf(t) values range between −14.0 and −7.5 for zircons with crystallization ages, with a weighted mean of −11.0 ± 2.0 εHf(t), defined by 8 grains. Zircon εHf(t) values for premagmatic Mesozoic grains ranges from −11.6 to −8.2. Zircon $\delta^{18}O$ values range between 5.35 and 7.26 ‰, with a weighted mean of 6.9 ± 1.1 ‰, defined by 11 grains.

Sample **Yucca** is granodiorite from the previously undated(?) Cactus granite pluton in the hills north of Yucca Valley, California (Dibblee, 1967b). 12 grains yielded a zircon U-Pb age of 76.9 ± 3.1 Ma. Premagmatic zircon grains include 8 Mesozoic grains (234–97 Ma) and two Proterozoic grains (1.6–1.7 Ga). The average U/Th ratio of zircon grains used to calculate the age is 4.2 ± 2.3. Zircons are elongate, prismatic, and have sub-rounded xenocrystic cores with oscillatory zoned overgrowths and rims. Zircon εHf(t) values range between −12.0 and −5.7 for zircons with crystallization ages, with a weighted mean of −8.3 ± 2.1 εHf(t), defined by 8 grains. Zircon εHf(t) values for premagmatic Mesozoic grains ranges from −12.5 to −4.8, excluding 1 very negative analysis (−31.9 εHf(t), 173 Ma), which is interpreted to have inadvertently sampled an older age domain based on similarity to other εHf(0) values of Proterozoic grain analyses. Two Proterozoic zircon analyses yielded εHf(t) values of −1.5–1.8. Zircon $\delta^{18}O$ values range between 6.31 and 7.96 ‰, with a weighted mean of 7.0 ± 1.2 ‰, defined by 9 grains.

Sample **Joshua** is a mildly deformed monzogranite, perhaps correlative with sheeted Panorama granite, that is related to the (81–75 Ma) Palms granite in Joshua Tree National Park (Paterson et al., 2017). 9 grains yielded a zircon U-Pb age of 77.0 ± 5.2 Ma, excluding 3 premagmatic Mesozoic grains (113–221 Ma) and 5 Proterozoic premagmatic ages (1.6–1.7 Ga). The average U/Th ratio of zircon grains used to calculate the age is 3.7 ± 2.1. Zircons are elongate, prismatic, and have sub-rounded xenocrystic cores with oscillatory zoned overgrowths and rims. Zircon εHf(t) values range between −23.2 and −9.8 for zircons with crystallization ages, with a weighted mean of −13.8 ± 6.3 εHf(t), defined by 4 grains. Zircon εHf(t) values for premagmatic Mesozoic grains ranges from −21.3 to −16.9 and εHf(t) values for premagmatic Proterozoic grains ranges from −0.8–9.3. Zircon $\delta^{18}O$ values from zircon rims range between 5.58 and 7.28 ‰, with a weighted mean of 6.2 ± 1.2 ‰, defined by 8 grains. A single zircon $\delta^{18}O$ analysis from an undated zircon core yielded a value of 2.0 ‰.

Sample **Prescott** is quartz monzonite from the Copper Basin porphyry copper deposit, Arizona. 12 grains yielded a zircon U-Pb age of 80.2 ± 6.7 Ma, excluding 1 young grain (41 Ma), which we interpret to be affected by minor Pb loss, and 2 older premagmatic grains (95 Ma and 1.6 Ga). The calculated crystallization age is broadly consistent with previously reported biotite K-Ar ages (73–76 Ma; Christman, 1978). The average U/Th ratio of zircon grains used to calculate the age is 1.6 ± 1.0. Zircon εHf(t) values range between −10.3 and −8.2 for zircons with crystallization ages, with a weighted mean of −9.3 ± 0.9 εHf(t), defined by 5 grains. A single analysis of a Proterozoic grain yielded a zircon εHf(t) value of 7.4.

Sample **Rosamond** is quartz monzonite from the Rosamond Hills, California. 18 grains yielded a zircon U-Pb age of 88.4 ± 2.6 Ma, excluding four older Mesozoic grains (97–177 Ma) and three Proterozoic grains (1.4–1.7 Ga). The calculated crystallization age is broadly consistent with a previously reported zircon Pb-alpha age of 95 Ma ± 10 (Dibblee, 1967a). The average U/Th ratio of zircon grains used to calculate the age is 2.5 ± 0.7, Zircon εHf(t) values range between −7.6 and −2.2 for zircons with crystallization ages, with a weighted mean of −4.9 ± 2.0 εHf(t), defined by 9 grains. Zircon εHf(t) values of Proterozoic grains range from 2.5 to 13.1.

Sample **Riverside** is quartz monzodiorite from the West Riverside Mountains, California. 17 grains yielded a zircon U-Pb age of 100.8 ± 3.6 Ma, excluding 1 younger grain (95 Ma), which is interpreted to have been affected by minor Pb loss, two older Cretaceous ages (112–113), and three Proterozoic ages (1.7 Ga). The calculated age is consistent with a previous zircon U-Pb age (99 Ma) reported for the Target granite in the southeastern Turtle Mountains, considered equivalent to the rocks in the West Riverside Mountains (Allen et al., 1995). The average U/Th ratio of zircon grains used to calculate the age is 2.0 ± 0.5. Zircons are elongate, euhedral, have sub-rounded pre-magmatic xenocrystic cores, with finely oscillatory zones overgrowths and rims. Zircon εHf(t) values range between −12.2 and −2.1 for zircons with crystallization ages, with a weighted mean of −6.1 ± 3.6 εHf(t), defined by 9 grains. Zircon εHf(t) values of Proterozoic grains range from 0.1 to 3.9. Zircon $\delta^{18}O$ values from zircon rims range between 5.07 and 5.78 ‰, with a weighted mean of 5.4 ± 0.5 ‰, defined by 7 grains.

Sample **Keene** is tonalite from the Bear Valley Suite in the Tehachapi complex in the southern Sierra Nevada. 21 grains yielded a zircon U-Pb age of 102.7 ± 3.5 Ma, excluding 3 older premagmatic grains (114, 386, and 1409 Ma). The average U/Th ratio of zircon grains used to calculate the age is 3.1 ± 1.4. The calculated age is consistent with previously reported zircon U-Pb ages from the area (Saleeby et al., 2007). Zircons are elongate, euhedral, with a range of textures including grains with and without premagmatic cores, zoned and unzoned cores and rims, and a range of CL emission responses. Zircon εHf(t) values range between 0.2 and 7.7 for zircons with crystallization ages, with a weighted mean of 5.8 ± 2.1 εHf(t), defined by 10 grains. Zircon εHf(t) values of Proterozoic grains range from −1.1–7.6. Zircon $\delta^{18}O$ values from zircon rims range between 6.50 and 7.56 ‰, with a weighted mean of 7.0 ± 0.6 ‰, defined by 9 grains.

Jurassic-Triassic samples

Sample **Strawberry** is an undeformed granodiorite in the Granite Mountains located northwest of Lucerne Lake, California. 22 grains yielded a zircon U-Pb age of 148.8 ± 4.7 Ma, excluding one young grain (134 Ma) and three older Jurassic grains (156–162 Ma). All zircon grains used to calculate the crystallization age have a U/Th ratio < 2. To our knowledge, the granodiorite sampled in the Granite Mountains has not been previously dated, but was assigned a Jurassic age by Schermer and Busby (1994) based on regional correlations. Zircons are elongate, euhedral, do not have xenocrystic cores, and are oscillatory zoned with generally light CL emission. Zircon εHf(t) values range between −12.6 and −7.7 for zircons with crystallization ages, with a weighted mean of −9.6 ± 1.7 εHf(t), defined by 10 grains. Zircon $\delta^{18}O$ values from zircon rims range between 4.74 and 6.09 ‰, with a weighted mean of 5.3 ± 0.9 ‰, defined by 8 grains.

Sample **S_Barstow** is quartz monzonite from the eastern end of Stoddard Ridge, southwest of Barstow, California. 22 grains yielded a zircon U-Pb age of 161.2 ± 4.6 Ma, excluding 2 young grains (118–142 Ma) and one Proterozoic grain (1.2 Ga). All zircon grains used to calculate the crystallization age have a U/Th ratio < 2. To our knowledge, the quartz monzonite pluton has not been previously dated, but was assigned a Jurassic age by Schermer and Busby (1994) and is similar in age to the nearby Sidewinder and Turtle Mountain tuffs (Schermer et al., 2002; Fohey-Breting et al., 2010). Zircons are elongate, euhedral, with large, angular, dark CL emission cores and thin, light CL emission, finely oscillatory zoned rims. Zircon εHf(t) values range between −10.2 and −2.6 for zircons with crystallization ages, with a weighted mean of −6.0 ± 2.3 εHf(t), defined by 10 grains. A single analysis of a Proterozoic grain had a zircon εHf(t) value of −0.4. Zircon $\delta^{18}O$ values from zircon rims range between 4.76 and 5.65 ‰, with a weighted mean of 5.4 ± 0.6 ‰, defined by 9 grains.

Sample **Quartzite** is a quartz monzonite from near the Julian mine on Granite Mountain, west of Quartzsite, Arizona. 23 grains yielded a zircon U-Pb age of 165.0 ± 4.2 Ma, excluding 2 younger grains (145, 157 Ma), which are interpreted to have been affected by minor Pb loss. No older age domains were measured. The average U/Th ratio of zircon grains used to calculate the age is 2.3 ± 2.0. Zircons are equant, euhedral, with few xenocrystic cores and broadly zones to un-zoned rims and overgrowths that tend to have dark CL emissions. Zircon εHf(t) values range between −11.9 and −8.6 for zircons with crystallization ages, with a weighted mean of −10.4 ± 1.3 εHf(t), defined by 10 grains. Zircon $\delta^{18}O$ values from zircon rims range between 4.80 and 5.63 ‰, with a weighted mean of 5.2 ± 0.5 ‰, defined by 9 grains.

Sample **Finger** is a granodiorite from Lone Mountain in the Harquahala plain, Arizona. 20 grains yielded a zircon U-Pb age of 171.0 ± 5.0 Ma. No older age domains were measured. The average U/Th ratio of zircon grains used to calculate the age is 1.2 ± 0.6. Zircons are equant, euhedral, very broadly oscillatory zoned to not zoned, and do not contain xenocrystic cores. Zircon εHf(t) values range between −12.4 and −7.2 for zircons with crystallization ages, with a weighted mean of –9.5 ± 1.5 εHf(t), defined by 10 grains.

Sample **29-Palms** is a quartz monzonite from the Twentynine Palms pluton, California. Barth and Wooden (2006) reported a zircon U-Pb crystallization age of 234 Ma. Zircons are elongate, euhedral, have dark CL emission, and have well-defined premagmatic cores with finely oscillatory zoned rims and overgrowths. Only the finely zoned rims were targeted for O isotope analyses. Zircon $\delta^{18}O$ values from zircon rims range between 4.87 and 5.44 ‰, with a weighted mean of 5.2 ± 0.4 ‰, defined by 10 grains.

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Supplementary Table DR1. U-Pb geochronologic analyses.

Analysis	U (ppm)	206Pb 204Pb	U/Th	206Pb* 207Pb*	± (%)	207Pb* 235U*	± (%)	206Pb* 238U	± (%)	error corr.	206Pb* 238U*	± (Ma)	207Pb* 235U	± (Ma)	206Pb* 207Pb*	± (Ma)	Best age (Ma)	± (Ma)
				Isotope ratios							Apparent ages (Ma)							
	*analyses highlighted in red were not included in mean age calculations																	
Sample: UTEP																		
DAFOV_CHAPMAN_U_J_P_B-Spot 23	108.051	744.0028	2.298219	37.28613	10.95113	0.02573	15.8894	0.006958	11.51285	0.724562	44.69863	5.128286	25.79516	4.047092	1517.553	366.376	44.69863	5.128286
DAFOV_CHAPMAN_U_J_P_B-Spot 84	152.2866	993.9296	1.760716	31.15847	9.695977	0.031096	17.48065	0.007027	14.54514	0.832071	45.14191	6.543023	31.09365	5.353043	956.2713	285.1803	45.14191	6.543023
DAFOV_CHAPMAN_U_J_P_B-Spot 38	424.6799	27279.68	1.336427	20.45576	4.801248	0.047808	5.375506	0.007093	2.417452	0.449716	45.5617	1.097549	47.41903	2.490413	142.3879	112.7568	45.5617	1.097549
DAFOV_CHAPMAN_U_J_P_B-Spot 72	196.2147	8524.039	2.179588	21.99554	7.742566	0.04448	8.458983	0.007096	3.406916	0.402757	45.5803	1.547405	44.18833	3.657732	30.71194	187.9466	45.5803	1.547405
DAFOV_CHAPMAN_U_J_P_B-Spot 69	103.6118	2752.369	1.736998	19.73647	9.799782	0.049812	10.12143	0.00713	2.531344	0.250097	45.80158	1.155287	49.35932	4.876424	225.7601	226.9846	45.80158	1.155287
DAFOV_CHAPMAN_U_J_P_B-Spot 73	296.7338	5457.131	5.289385	22.28383	7.364768	0.044278	7.697084	0.007156	2.237253	0.290662	45.96668	1.024733	43.99199	3.313808	62.38014	179.8321	45.96668	1.024733
DAFOV_CHAPMAN_U_J_P_B-Spot 4	477.3935	8017.972	3.452467	20.61705	4.139425	0.047931	4.802756	0.007167	2.435493	0.507103	46.03743	1.117244	47.53824	2.230527	123.8795	97.50775	46.03743	1.117244
DAFOV_CHAPMAN_U_J_P_B-Spot 59	245.4356	2498.491	1.483361	21.29355	6.139787	0.046432	7.373751	0.007171	4.083531	0.553793	46.06104	1.874213	46.08485	3.322232	47.34711	146.7923	46.06104	1.874213
DAFOV_CHAPMAN_U_J_P_B-Spot 33	227.663	1121.308	1.326427	30.82662	6.990035	0.03218	7.606313	0.007195	2.999234	0.394309	46.21441	1.381122	32.16075	2.407917	924.9432	203.9993	46.21441	1.381122
DAFOV_CHAPMAN_U_J_P_B-Spot 64	111.3459	5658.087	1.9078	19.29688	10.26835	0.051579	10.65732	0.007219	2.852961	0.2677	46.36776	1.318108	51.06673	5.307801	277.5792	235.6697	46.36776	1.318108
DAFOV_CHAPMAN_U_J_P_B-Spot 3	810.5253	60131.42	0.741514	21.5303	3.407425	0.046372	3.947617	0.007241	1.993272	0.50493	46.51111	0.923756	46.0264	1.776383	20.84131	81.82877	46.51111	0.923756
DAFOV_CHAPMAN_U_J_P_B-Spot 83	183.3386	4600.677	1.879434	23.7433	7.868977	0.04209	8.479777	0.007248	3.160037	0.372656	46.55471	1.465847	41.86213	3.477649	219.5024	198.1753	46.55471	1.465847
DAFOV_CHAPMAN_U_J_P_B-Spot 93	1087.954	7223.949	4.194138	22.10876	2.592202	0.045346	2.979184	0.007271	1.468341	0.492867	46.70331	0.683286	45.03028	1.312223	43.17688	63.00936	46.70331	0.683286
DAFOV_CHAPMAN_U_J_P_B-Spot 75	1044.165	44651.98	5.633817	21.24208	2.97984	0.047204	3.486495	0.007272	1.810028	0.519154	46.71102	0.842427	46.83338	1.59576	53.11003	71.09967	46.71102	0.842427
DAFOV_CHAPMAN_U_J_P_B-Spot 1	144.2003	2370.434	1.348577	21.46853	8.641088	0.047841	9.531247	0.007449	4.021972	0.421978	47.84165	1.917056	47.45065	4.418618	27.76052	207.5088	47.84165	1.917056
DAFOV_CHAPMAN_U_J_P_B-Spot 81	694.2372	17152.46	2.299249	21.89448	3.384967	0.046989	3.758957	0.007462	1.63455	0.434841	47.92175	0.780401	46.62481	1.712978	19.5586	81.89312	47.92175	0.780401
DAFOV_CHAPMAN_U_J_P_B-Spot 7	491.2329	6862.777	2.151606	21.5595	4.038842	0.048806	6.189738	0.007632	4.690481	0.757783	49.00919	2.290051	48.38547	2.924704	17.56549	97.06194	49.00919	2.290051
DAFOV_CHAPMAN_U_J_P_B-Spot 37	652.7941	132900.3	1.709496	21.87957	2.358189	0.048319	2.752843	0.007667	1.420243	0.515918	49.23909	0.696651	47.91341	1.288346	17.91128	57.04333	49.23909	0.696651
DAFOV_CHAPMAN_U_J_P_B-Spot 48	2888.958	25277.59	2.310796	21.45718	2.011867	0.049734	2.748124	0.00774	1.872052	0.681211	49.70165	0.926863	49.28379	1.322037	29.01499	48.20961	49.70165	0.926863
DAFOV_CHAPMAN_U_J_P_B-Spot 70	76.20503	807.3859	2.353331	28.91571	10.70378	0.042655	11.56051	0.008945	4.367437	0.377789	57.4095	2.496192	42.41275	4.802174	742.0603	300.5784	57.4095	2.496192
Sample: JDP																		
DAFOV_CHAPMAN_U_J_P_B-Spot 85	1045.854	10839.42	2.395164	22.48568	2.557987	0.066338	3.218391	0.010819	1.953138	0.606868	69.36614	1.347553	65.21855	2.033002	84.42315	62.67198	69.36614	1.347553
DAFOV_CHAPMAN_U_J_P_B-Spot 103	1216.858	23803.93	3.994577	21.02217	2.794652	0.073832	5.61335	0.011257	4.868225	0.867258	72.16185	3.493412	72.3296	3.918898	77.85555	66.38149	72.16185	3.493412
DAFOV_CHAPMAN_U_J_P_B-Spot 53	1040.221	176910.4	2.171916	21.14384	3.461621	0.073485	6.340899	0.011269	5.312644	0.837838	72.23741	3.816294	72.00092	4.407422	64.14843	82.44628	72.23741	3.816294
DAFOV_CHAPMAN_U_J_P_B-Spot 22	382.4831	15820.38	3.196042	20.72023	6.350892	0.0751	9.121968	0.011286	6.548013	0.717829	72.34587	4.710735	73.52787	6.470187	112.1432	150.0048	72.34587	4.710735
DAFOV_CHAPMAN_U_J_P_B-Spot 51	1160.224	142150.2	2.904557	20.12392	3.498484	0.078642	5.50938	0.011478	4.25604	0.772508	73.57039	3.113386	76.8673	4.078606	180.5936	81.54436	73.57039	3.113386
DAFOV_CHAPMAN_U_J_P_B-Spot 95	1821.027	42055.69	3.72622	20.88349	2.134214	0.076368	3.030016	0.011567	2.150843	0.709846	74.13608	1.585417	74.72412	2.182851	93.60047	50.55088	74.13608	1.585417
DAFOV_CHAPMAN_U_J_P_B-Spot 10	1580.788	40570.15	3.65541	20.47457	2.151697	0.078095	2.899304	0.011597	1.943236	0.670242	74.327	1.436054	76.35196	2.132497	140.1886	50.53715	74.327	1.436054
DAFOV_CHAPMAN_U_J_P_B-Spot 108	1441.217	19800.45	6.700129	20.58786	2.22785	0.077797	3.938943	0.011616	3.248378	0.824683	74.45246	2.404585	76.07137	2.886923	127.2612	52.43089	74.45246	2.404585
DAFOV_CHAPMAN_U_J_P_B-Spot 25	575.8671	237263	6.87783	11.31196	1.184479	2.602549	3.694115	0.213518	3.499071	0.947201	1247.535	39.68856	1301.357	27.10394	1391.218	22.72776	1391.218	22.72776
DAFOV_CHAPMAN_U_J_P_B-Spot 49	386.8001	130757.1	2.234278	9.743704	1.231087	3.701119	2.632206	0.261551	2.326571	0.883886	1497.771	31.09489	1571.61	21.04475	1672.212	22.75968	1672.212	22.75968
DAFOV_CHAPMAN_U_J_P_B-Spot 19	595.9442	69087.01	1.581405	9.736064	0.904343	3.696607	2.392738	0.261027	2.215256	0.925825	1495.094	29.56012	1570.636	19.12473	1673.662	16.7152	1673.662	16.7152
Sample: Buckeye																		
DAFOV_CHAPMAN_U_J_P_B-Spot 39	161.6789	321.681	0.781386	308.4391	10.95316	0.001227	12.29824	0.002744	5.592405	0.454732	17.66278	0.986422	1.244605	0.152971	0	0	17.66278	0.986422
DAFOV_CHAPMAN_U_J_P_B-Spot 11	481.9998	1764.649	1.001784	25.02821	6.845053	0.016492	7.48951	0.002994	3.03941	0.405822	19.26996	0.584819	16.60949	1.233851	353.8473	177.0281	19.26996	0.584819
DAFOV_CHAPMAN_U_J_P_B-Spot 101	1016.221	10345.89	2.263928	20.9128	4.405274	0.019999	4.820232	0.003033	1.956578	0.405909	19.52463	0.381437	20.10641	0.959643	90.24895	104.439	19.52463	0.381437
DAFOV_CHAPMAN_U_J_P_B-Spot 57	805.8882	4973.246	1.723964	22.74555	5.877231	0.018444	6.555685	0.003043	2.904336	0.443026	19.58394	0.56792	18.55675	1.205474	112.6501	144.8546	19.58394	0.56792
DAFOV_CHAPMAN_U_J_P_B-Spot 102	382.9614	3303.985	1.12831	22.09869	7.36769	0.019192	7.849828	0.003076	2.708679	0.345062	19.79848	0.535455	19.30238	1.500894	42.06881	179.2046	19.79848	0.535455
DAFOV_CHAPMAN_U_J_P_B-Spot 47	478.7732	2168.387	1.140334	25.82741	7.469398	0.016448	8.159112	0.003081	3.28317	0.402393	19.83049	0.650068	16.56481	1.340578	435.7396	196.459	19.83049	0.650068
DAFOV_CHAPMAN_U_J_P_B-Spot 45	509.1743	1004.671	2.28271	34.18512	6.043848	0.012531	6.811169	0.003107	3.140689	0.461109	19.997	0.627071	12.64467	0.85591	1237.091	189.1536	19.997	0.627071
DAFOV_CHAPMAN_U_J_P_B-Spot 46	641.5562	3518.257	1.347529	23.66382	6.37447	0.018117	6.658088	0.003109	1.922568	0.288757	20.01261	0.384159	18.23063	1.20298	211.0744	160.1998	20.01261	0.384159
DAFOV_CHAPMAN_U_J_P_B-Spot 76	1487.731	16668.98	1.347881	21.33579	4.435829	0.020199	5.292126	0.003126	2.886177	0.545372	20.11744	0.57972	20.3051	1.063899	42.58588	106.102	20.11744	0.57972
DAFOV_CHAPMAN_U_J_P_B-Spot 6	694.209	5136.861	0.957791	25.45627	5.907798	0.016964	6.451364	0.003132	2.591914	0.401762	20.15826	0.521669	17.08019	1.09269	397.8593	154.123	20.15826	0.521669
DAFOV_CHAPMAN_U_J_P_B-Spot 2	1327.087	15592.38	1.870278	21.82068	4.232782	0.020046	4.464026	0.003172	1.418128	0.317679	20.41849	0.289102	20.15298	0.890766	11.39634	102.2701	20.41849	0.289102
DAFOV_CHAPMAN_U_J_P_B-Spot 92	294.1392	2335.616	1.389456	23.36599	8.058246	0.018849	8.526133	0.003194	2.785607	0.326714	20.5584	0.571764	18.96049	1.601598	179.3699	201.3566	20.5584	0.571764
DAFOV_CHAPMAN_U_J_P_B-Spot 27	1309.748	14749.96	1.180602	20.96098	5.466831	0.021391	7.198779	0.003252	4.683608	0.650611	20.92966	0.978674	21.4914	1.530861	84.77485	129.7601	20.92966	0.978674
DAFOV_CHAPMAN_U_J_P_B-Spot 61	411.0451	1131.306	0.98013	27.67878	7.813036	0.015373	8.588311	0.003086	3.565888	0.415203	19.86289	0.707198	15.49033	1.320262	621.1398	213.6016	19.86289	0.707198
Sample: Prescott																		
DAFOV_CHAPMAN_U_J_P_B-Spot 40	5575.371	39747.3	1.884628	21.1758	2.285281	0.041377	15.87935	0.006355	15.71405	0.98959	40.83525	6.396592	41.16716	6.406419	60.55196	54.47796	40.83525	6.396592
DAFOV_CHAPMAN_U_J_P_B-Spot 36	309.4593	11682.9	0.68018	21.14487	4.954115	0.072501	6.562718	0.011119	4.304186	0.655854	71.27928	3.051094	71.07011	4.504674	64.01508	118.018	71.27928	3.051094
DAFOV_CHAPMAN_U_J_P_B-Spot 100	130.9314	2196.975	4.565379	23.53945	8.071371	0.065667	8.800212	0.011211	3.506665	0.398475	71.86791	2.506171	64.57894	5.506185	197.8605	202.42	71.86791	2.506171
DAFOV_CHAPMAN_U_J_P_B-Spot 87	70.25302	1208.584	1.247274	21.95998	10.85677	0.075227	11.97942	0.011981	5.063299	0.422666	76.77797	3.86444	73.64802	8.510442	26.79179	263.6796	76.77797	3.86444
DAFOV_CHAPMAN_U_J_P_B-Spot 97	151.0066	3186.447	1.064993	17.45082	11.94094	0.094716	13.10861	0.011988	5.40829	0.412575	76.81845	4.129909	91.88697	11.51666	503.2431	263.6404	76.81845	4.129909
DAFOV_CHAPMAN_U_J_P_B-Spot 13	188.4203	3934.564	2.414219	8.282001	24.27437	0.205351	24.43654	0.012335	2.81062	0.115017	79.02844	2.20763	189.6436	42.2964	1967.226	439.7716	79.02844	2.20763
DAFOV_CHAPMAN_U_J_P_B-Spot 24	66.93696	1212.849	1.467133	23.97372	12.60028	0.072609	14.78033	0.012625	7.725992	0.522721	80.8751	6.209374	71.17212	10.1596	243.8525	319.4983	80.8751	6.209374
DAFOV_CHAPMAN_U_J_P_B-Spot 62	66.32472	1124.859	1.295286	27.07841	9.974527	0.064654	12.00665	0.012697	6.683445	0.556645	81.33771	5.402011	63.61349	7.403645	561.6332	269.512	81.33771	5.402011
DAFOV_CHAPMAN_U_J_P_B-Spot 60	59.53425	1165.878	1.414759	26.30985	10.74995	0.066894	13.29915	0.012765	7.829817	0.588746	81.76479	6.361606	65.74786	8.467024	484.6072	285.9426	81.76479	6.361606
DAFOV_CHAPMAN_U_J_P_B-Spot 34	55.18739	1282.653	2.06181	27.16367	11.61998	0.066912	12.68837	0.013182	5.096155	0.40164	84.42277	4.274266	65.76441	8.080119	570.1176	314.7511	84.42277	4.274266
DAFOV_CHAPMAN_U_J_P_B-Spot 94	156.604	31566.3	0.822512	7.322591	26.46782	0.248301	27.19141	0.013187	6.231156	0.229159	84.45231	5.228036	225.1948	54.97233	2184.059	469.4819	84.45231	5.228036
DAFOV_CHAPMAN_U_J_P_B-Spot 86	65.25445	4784.333	1.276841	28.07803	6.923306	0.066343	7.972259	0.01351	3.952814	0.495821	86.50901	3.396698	65.22316	5.036316	660.4091	190.8083	86.50901	3.396698
DAFOV_CHAPMAN_U_J_P_B-Spot 58	57.01575	1485.116	1.226883	26.12185	7.103844	0.071868	8.360715	0.013616	4.408735	0.527316	87.18021	3.817672	70.47077	5.692112	465.6137	187.9757	87.18021	3.817672
DAFOV_CHAPMAN_U_J_P_B-Spot 104	51.19558	1069.937	1.42997	31.89927	9.40269	0.064216	15.33775	0.014857	12.11759	0.79005	95.06869	11.43552	63.1962	9.39767	1025.791	280.8278	95.06869	11.43552
DAFOV_CHAPMAN_U_J_P_B-Spot 26	877.6454	108759.1	9.420739	9.874555	1.354057	3.378809	3.335618	0.24198	3.048422	0.9139	1396.984	38.28808	1499.494	26.14025	1647.513	25.11259	1647.513	25.11259
Sample: Keene																		
Dafov1 17March2016-KEANE Spot 15	626	48504	4.1	21.0109	1.2	0.0984	2.3	0.0150	1.9	0.86	96.0	1.8	95.3	2.0	79.1	27.3	96.0	1.8
Dafov1 17March2016-KEANE Spot 34	1372	228550	7.5	20.4221	0.8	0.1038	1.7	0.0154	1.5	0.89	98.4	1.5	100.3	1.7	146.3	18.2	98.4	1.5
Dafov1 17March2016-KEANE Spot 31	227	9901	5.0	20.5216	1.6	0.1041	2.3	0.0155	1.7	0.72	99.1	1.6	100.5	2.2	134.8	37.3	99.1	1.6
Dafov1 17March2016-KEANE Spot 13	272	37023	2.5	21.5602	1.3	0.1005	2.1	0.0157	1.7	0.78	100.5	1.7	97.2	2.0	17.5	32.0	100.5	1.7
Dafov1 17March2016-KEANE Spot 12	343	19130	2.4	20.6728	1.1	0.1059	2.4	0.0159	2.2	0.90	101.5	2.2	102.2	2.4	117.5	25.1	101.5	2.2
Dafov1 17March2016-KEANE Spot 16	365	11363	2.5	21.0200	1.2	0.1045	2.4	0.0159	2.1	0.87	101.9	2.1	100.9	2.3	78.1	27.6	101.9	2.1
Dafov1 17March2016-KEANE Spot 11	2180	1744156	1.6	20.1682	0.7	0.1091	1.7	0.0160	1.5	0.91	102.0	1.5	105.1	1.7	175.5	16.0	102.0	1.5
Dafov1 17March2016-KEANE Spot 35	863	59118	1.6	20.7773	0.8	0.1061	2.0	0.0160	1.8	0.92	102.2	1.8	102.4	1.9	105.6	18.1	102.2	1.8
Dafov1 17March2016-KEANE Spot 22	406	27763	2.6	21.2821	1.3	0.1036	1.9	0.0160	1.4	0.72	102.2	1.4	100.1	1.8	48.6	31.9	102.2	1.4
Dafov1 17March2016-KEANE Spot 14	1124	11511	1.4	20.9440	0.9	0.1053	1.7	0.0160	1.5	0.86	102.3	1.5	101.6	1.6	86.7	20.7	102.3	1.5
Dafov1 17March2016-KEANE Spot 33	695	24715	2.0	20.8618	0.9	0.1058	1.7	0.0160	1.5	0.87	102.3	1.5	102.1	1.7	96.1	20.2	102.3	1.5
Dafov1 17March2016-KEANE Spot 21	296	9537	3.8	20.8778	1.3	0.1060	2.0	0.0161	1.6	0.78	102.7	1.6	102.3	2.0	94.2	30.5	102.7	1.6
Dafov1 17March2016-KEANE Spot 32	449	8677	2.8	21.5025	1.7	0.1034	2.5	0.0161	1.9	0.74	103.1	1.9	99.9	2.4	23.9	40.9	103.1	1.9
Dafov1 17March2016-KEANE Spot 29	162	5589	5.1	21.9704	1.2	0.1013	2.4	0.0161	2.1	0.86	103.2	2.1	98.0	2.2	27.9	29.2	103.2	2.1
Dafov1 17March2016-KEANE Spot 30	354	12172	2.8	21.3130	1.5	0.1046	2.2	0.0162	1.7	0.75	103.4	1.7	101.0	2.1	45.1	35.3	103.4	1.7
Dafov1 17March2016-KEANE Spot 25	151	7256	3.2	22.0347	1.6	0.1016	2.5	0.0162	1.9	0.76	103.8	2.0	98.2	2.3	35.0	39.3	103.8	2.0
Dafov1 17March2016-KEANE Spot 17	325	15986	3.8	20.5973	1.2	0.1091	2.1	0.0163	1.7	0.83	104.2	1.8	105.1	2.1	126.2	27.3	104.2	1.8
Dafov1 17March2016-KEANE Spot 20	769	337363	1.6	20.6995	0.8	0.1089	1.9	0.0163	1.7	0.91	104.5	1.8	105.0	1.9	114.5	18.5	104.5	1.8
Dafov1 17March2016-KEANE Spot 18	265	4216	3.1	21.6877	1.4	0.1061	2.1	0.0167	1.6	0.76	106.7	1.7	102.4	2.0	3.3	32.5	106.7	1.7
Dafov1 17March2016-KEANE Spot 24	526	13239	2.5	19.7048	1.5	0.1171	2.8	0.0167	2.4	0.86	107.0	2.6	112.5	3.0	229.4	33.8	107.0	2.6
Dafov1 17March2016-KEANE Spot 28	595	48151	2.8	20.6496	1.1	0.1146	2.2	0.0172	1.9	0.87	109.7	2.1	110.2	2.3	120.2	25.4	109.7	2.1
Dafov1 17March2016-KEANE Spot 26	523	8479	1.6	21.0924	1.2	0.1170	2.3	0.0179	2.0	0.86	114.4	2.3	112.3	2.5	70.0	27.8	114.4	2.3
Dafov1 17March2016-KEANE Spot 27	387	26074	3.2	16.5481	0.6	0.5147	2.0	0.0618	2.0	0.95	386.4	7.3	421.6	7.1	619.0	13.2	386.4	7.3
Dafov1 17March2016-KEANE Spot 19	215	37580	1.9	11.2061	0.7	2.6129	2.2	0.2124	2.1	0.95	1241.4	24.1	1304.3	16.5	1409.2	13.3	1409.2	13.3
Sample: S-Bartstow																		
Dafov1 17March2016-S. BARSTOW Spot 52	1281	7014	1.1	17.0367	1.1	0.1492	3.2	0.0184	3.1	0.95	117.8	3.6	141.2	4.3	555.9	23.0	117.8	3.6
Dafov1 17March2016-S. BARSTOW Spot 61	1410	54926	0.6	19.6656	0.8	0.1560	2.7	0.0223	2.6	0.95	141.9	3.6	147.2	3.7	234.1	19.4	141.9	3.6
Dafov1 17March2016-S. BARSTOW Spot 58	318	37374	0.9	20.3712	0.9	0.1665	1.8	0.0246	1.6	0.87	156.7	2.4	156.4	2.6	152.1	21.3	156.7	2.4
Dafov1 17March2016-S. BARSTOW Spot 54	438	11073	1.2	19.4302	1.2	0.1748	2.1	0.0246	1.7	0.80	156.9	2.6	163.6	3.1	261.8	28.1	156.9	2.6

TABLE DR1

Dafov1 17March2016-S. BARSTOW Spot 62	1255	5586	0.7	16.8710	3.1	0.2026	3.7	0.0248	2.1	0.55	157.9	3.2	187.3	6.4	577.2	67.5	157.9	3.2
Dafov1 17March2016-S. BARSTOW Spot 51	621	11013	1.3	18.9441	1.1	0.1809	2.3	0.0248	2.0	0.89	158.2	3.2	168.8	3.6	319.7	24.1	158.2	3.2
Dafov1 17March2016-S. BARSTOW Spot 63	1045	100342	0.5	20.0110	0.8	0.1712	2.0	0.0249	1.8	0.91	158.3	2.8	160.5	2.9	193.7	18.5	158.3	2.8
Dafov1 17March2016-S. BARSTOW Spot 67	1292	358485	0.7	19.9450	0.7	0.1719	1.8	0.0249	1.7	0.91	158.3	2.6	161.0	2.7	201.4	16.9	158.3	2.6
Dafov1 17March2016-S. BARSTOW Spot 66	376	123036	0.9	18.8582	2.9	0.1819	3.3	0.0249	1.7	0.50	158.4	2.6	169.7	5.2	329.9	65.2	158.4	2.6
Dafov1 17March2016-S. BARSTOW Spot 68	240	20254	1.1	20.2147	1.2	0.1702	2.3	0.0250	2.0	0.86	158.9	3.1	159.6	3.4	170.1	27.4	158.9	3.1
Dafov1 17March2016-S. BARSTOW Spot 59	826	45115	0.7	20.4535	0.6	0.1688	2.1	0.0250	2.0	0.96	159.4	3.2	158.4	3.1	142.7	13.6	159.4	3.2
Dafov1 17March2016-S. BARSTOW Spot 49	545	50679	0.6	19.9249	0.8	0.1739	2.1	0.0251	1.9	0.91	160.0	3.0	162.8	3.1	203.7	19.5	160.0	3.0
Dafov1 17March2016-S. BARSTOW Spot 64	1251	27048	0.6	18.6454	1.2	0.1864	2.2	0.0252	1.8	0.83	160.5	2.9	173.6	3.5	355.6	28.1	160.5	2.9
Dafov1 17March2016-S. BARSTOW Spot 69	1899	134526	0.6	20.4534	0.6	0.1708	1.6	0.0253	1.5	0.93	161.3	2.3	160.1	2.3	142.7	13.4	161.3	2.3
Dafov1 17March2016-S. BARSTOW Spot 48	418	41379	0.9	20.3213	1.0	0.1722	2.1	0.0254	1.8	0.88	161.6	2.9	161.3	3.1	157.8	23.0	161.6	2.9
Dafov1 17March2016-S. BARSTOW Spot 53	372	19443	0.9	20.8779	1.2	0.1678	2.1	0.0254	1.8	0.83	161.8	2.8	157.5	3.1	94.2	28.0	161.8	2.8
Dafov1 17March2016-S. BARSTOW Spot 60	76	16569	0.6	20.0174	1.7	0.1755	3.2	0.0255	2.7	0.85	162.2	4.3	164.2	4.8	193.0	38.7	162.2	4.3
Dafov1 17March2016-S. BARSTOW Spot 46	794	71753	0.6	20.1727	0.6	0.1745	1.8	0.0255	1.7	0.94	162.6	2.7	163.4	2.7	174.9	14.0	162.6	2.7
Dafov1 17March2016-S. BARSTOW Spot 57	424	27207	0.9	20.6649	0.9	0.1714	2.2	0.0257	2.0	0.92	163.5	3.3	160.7	3.3	118.4	20.2	163.5	3.3
Dafov1 17March2016-S. BARSTOW Spot 50	530	38318	0.7	20.3657	1.0	0.1744	2.1	0.0258	1.8	0.87	164.0	2.9	163.2	3.1	152.7	23.6	164.0	2.9
Dafov1 17March2016-S. BARSTOW Spot 47	522	15738	0.7	20.6810	0.9	0.1728	2.0	0.0259	1.8	0.89	165.0	3.0	161.9	3.1	116.6	22.2	165.0	3.0
Dafov1 17March2016-S. BARSTOW Spot 65	40	17833	0.6	21.5691	2.7	0.1665	4.6	0.0261	3.8	0.81	165.8	6.2	156.4	6.7	16.5	65.0	165.8	6.2
Dafov1 17March2016-S. BARSTOW Spot 56	326	9058	0.8	19.7870	1.8	0.1821	2.9	0.0261	2.3	0.78	166.3	3.7	169.9	4.6	219.8	42.4	166.3	3.7
Dafov1 17March2016-S. BARSTOW Spot 70	223	8747	1.5	21.0258	1.4	0.1748	2.6	0.0267	2.2	0.85	169.6	3.6	163.5	3.9	77.4	32.2	169.6	3.6
Dafov1 17March2016-S. BARSTOW Spot 55	1128	360677	44.2	12.4754	1.2	2.3837	2.4	0.2157	2.0	0.87	1259.0	23.4	1237.7	16.9	1200.9	23.2	1200.9	23.2

Sample: Snaggletooth

Dafov1 17March2016-SNAGGLETOOTH Spot 34	54	296	0.9	-153.0944	69.4	-0.0027	69.5	0.0030	4.4	0.06	19.0	0.8	2.7	1.9	0.0	0.0	19.0	0.8
Dafov1 17March2016-SNAGGLETOOTH Spot 17	48	278	1.2	-113.7720	157.5	-0.0036	157.5	0.0030	3.7	0.02	19.4	0.7	3.7	5.9	0.0	0.0	19.4	0.7
Dafov1 17March2016-SNAGGLETOOTH Spot 23	116	1935	1.1	22.9464	9.7	0.0186	10.0	0.0031	2.6	0.26	19.9	0.5	18.7	1.9	134.3	239.3	19.9	0.5
Dafov1 17March2016-SNAGGLETOOTH Spot 30	117	643	0.9	42.9914	12.6	0.0099	13.0	0.0031	3.1	0.24	20.0	0.6	10.0	1.3	2022.0	477.2	20.0	0.6
Dafov1 17March2016-SNAGGLETOOTH Spot 27	100	748	1.1	43.1877	14.3	0.0099	14.7	0.0031	3.4	0.23	20.0	0.7	10.0	1.5	2039.2	541.5	20.0	0.7
Dafov1 17March2016-SNAGGLETOOTH Spot 26	88	1043	0.9	29.4127	16.1	0.0146	16.5	0.0031	3.7	0.22	20.1	0.7	14.7	2.4	790.1	458.6	20.1	0.7
Dafov1 17March2016-SNAGGLETOOTH Spot 16	53	257	1.0	-67.5636	32.7	-0.0064	33.0	0.0031	4.0	0.12	20.1	0.8	6.5	2.1	0.0	0.0	20.1	0.8
Dafov1 17March2016-SNAGGLETOOTH Spot 32	41	498	1.3	25.9582	18.9	0.0166	19.5	0.0031	4.9	0.25	20.1	1.0	16.7	3.2	449.0	500.5	20.1	1.0
Dafov1 17March2016-SNAGGLETOOTH Spot 25	76	494	0.9	26.2896	34.3	0.0164	34.4	0.0031	3.2	0.09	20.1	0.6	16.5	5.6	482.6	931.4	20.1	0.6
Dafov1 17March2016-SNAGGLETOOTH Spot 18	71	794	0.9	7.2372	16.1	0.0596	16.5	0.0031	3.4	0.20	20.2	0.7	58.8	9.4	2204.4	281.9	20.2	0.7
Dafov1 17March2016-SNAGGLETOOTH Spot 31	38	452	1.1	29.3436	17.8	0.0148	18.3	0.0031	4.3	0.24	20.3	0.9	14.9	2.7	783.4	506.8	20.3	0.9
Dafov1 17March2016-SNAGGLETOOTH Spot 21	73	820	0.8	26.3158	9.0	0.0165	9.6	0.0031	3.3	0.35	20.3	0.7	16.6	1.6	485.2	238.4	20.3	0.7
Dafov1 17March2016-SNAGGLETOOTH Spot 29	129	2767	0.9	23.9553	4.8	0.0183	5.5	0.0032	2.8	0.50	20.5	0.6	18.4	1.0	241.9	120.3	20.5	0.6
Dafov1 17March2016-SNAGGLETOOTH Spot 20	71	420	1.0	35.3321	11.6	0.0124	12.4	0.0032	4.3	0.35	20.5	0.9	12.6	1.5	1341.5	374.1	20.5	0.9
Dafov1 17March2016-SNAGGLETOOTH Spot 19	133	1483	0.8	21.3959	5.5	0.0206	6.2	0.0032	2.8	0.46	20.6	0.6	20.7	1.3	35.8	132.0	20.6	0.6
Dafov1 17March2016-SNAGGLETOOTH Spot 35	126	1111	0.9	22.7130	5.3	0.0195	6.0	0.0032	2.8	0.47	20.7	0.6	19.6	1.2	109.1	130.2	20.7	0.6
Dafov1 17March2016-SNAGGLETOOTH Spot 24	126	489	1.1	58.0527	17.5	0.0077	17.7	0.0032	2.8	0.16	20.8	0.6	7.8	1.4	0.0	1225.4	20.8	0.6
Dafov1 17March2016-SNAGGLETOOTH Spot 28	104	3032	0.8	23.2702	3.6	0.0192	4.6	0.0032	2.9	0.63	20.9	0.6	19.3	0.9	169.1	89.3	20.9	0.6
Dafov1 17March2016-SNAGGLETOOTH Spot 33	51	804	1.2	19.1143	6.9	0.0234	8.1	0.0032	4.2	0.52	20.9	0.9	23.5	1.9	299.3	156.8	20.9	0.9
Dafov1 17March2016-SNAGGLETOOTH Spot 22	36	1104	1.1	39.1116	10.7	0.0115	11.6	0.0033	4.5	0.39	21.1	0.9	11.7	1.3	1680.2	371.5	21.1	0.9

Sample: Quartzite

Dafov1 17March2016-QUARTZITE Spot 49	651	7975	2.1	17.5278	3.1	0.1787	4.0	0.0227	2.5	0.63	144.8	3.6	166.9	6.2	493.6	69.2	144.8	3.6
Dafov1 17March2016-QUARTZITE Spot 59	863	25089	1.6	19.9104	0.9	0.1703	3.2	0.0246	3.1	0.96	156.6	4.8	159.7	4.8	205.4	21.6	156.6	4.8
Dafov1 17March2016-QUARTZITE Spot 57	1041	230818	10.1	19.8732	0.6	0.1754	1.7	0.0253	1.6	0.94	161.0	2.6	164.1	2.6	209.8	14.0	161.0	2.6
Dafov1 17March2016-QUARTZITE Spot 47	455	68535	0.9	19.6916	1.2	0.1772	3.1	0.0253	2.8	0.92	161.1	4.5	165.7	4.7	231.0	28.2	161.1	4.5
Dafov1 17March2016-QUARTZITE Spot 64	1522	17684	1.6	18.9172	1.1	0.1857	1.9	0.0255	1.4	0.78	162.2	2.3	172.9	2.9	322.9	26.1	162.2	2.3
Dafov1 17March2016-QUARTZITE Spot 60	3690	477094	5.2	20.1919	0.6	0.1741	1.5	0.0255	1.3	0.91	162.3	2.2	163.0	2.2	172.7	14.1	162.3	2.2
Dafov1 17March2016-QUARTZITE Spot 65	269	16032	1.3	19.9488	1.1	0.1767	2.0	0.0256	1.7	0.84	162.7	2.7	165.2	3.1	200.9	25.2	162.7	2.7
Dafov1 17March2016-QUARTZITE Spot 56	2048	355213	4.3	20.0849	0.7	0.1755	3.3	0.0256	3.2	0.98	162.7	5.1	164.2	4.9	185.1	15.2	162.7	5.1
Dafov1 17March2016-QUARTZITE Spot 51	383	8033	1.0	17.2718	2.5	0.2047	3.1	0.0256	1.8	0.58	163.2	2.9	189.1	5.3	525.9	55.1	163.2	2.9
Dafov1 17March2016-QUARTZITE Spot 50	1831	289013	1.9	19.9678	0.7	0.1771	1.7	0.0256	1.5	0.92	163.3	2.5	165.6	2.6	198.7	15.6	163.3	2.5
Dafov1 17March2016-QUARTZITE Spot 70	369	18989	1.3	20.6585	0.9	0.1714	2.0	0.0257	1.8	0.89	163.5	2.8	160.7	2.9	119.2	21.6	163.5	2.8
Dafov1 17March2016-QUARTZITE Spot 68	1045	269699	3.8	19.3551	0.9	0.1832	2.0	0.0257	1.8	0.89	163.7	2.9	170.8	3.1	270.6	20.4	163.7	2.9
Dafov1 17March2016-QUARTZITE Spot 63	255	12023	0.8	20.7578	1.2	0.1710	2.3	0.0257	1.9	0.85	163.8	3.1	160.2	3.4	107.9	28.4	163.8	3.1
Dafov1 17March2016-QUARTZITE Spot 54	716	119517	0.8	20.2761	0.8	0.1751	1.7	0.0257	1.5	0.88	163.9	2.4	163.8	2.5	163.0	18.2	163.9	2.4
Dafov1 17March2016-QUARTZITE Spot 69	1120	44651	2.0	20.3034	0.5	0.1751	1.6	0.0258	1.5	0.94	164.1	2.4	163.9	2.4	159.9	12.8	164.1	2.4
Dafov1 17March2016-QUARTZITE Spot 61	1948	101978	1.6	19.9786	0.5	0.1784	1.6	0.0259	1.5	0.94	164.6	2.5	166.7	2.5	197.5	12.4	164.6	2.5
Dafov1 17March2016-QUARTZITE Spot 67	347	31191	1.3	20.1791	1.0	0.1770	2.2	0.0259	1.9	0.90	164.9	3.2	165.5	3.3	174.2	22.4	164.9	3.2
Dafov1 17March2016-QUARTZITE Spot 48	168	11315	2.1	20.5898	1.2	0.1744	2.4	0.0260	2.0	0.85	165.7	3.3	163.2	3.6	127.0	29.3	165.7	3.3
Dafov1 17March2016-QUARTZITE Spot 55	439	14991	3.1	20.6286	0.8	0.1750	2.0	0.0262	1.8	0.91	166.6	3.0	163.8	3.1	122.6	19.8	166.6	3.0
Dafov1 17March2016-QUARTZITE Spot 66	162	5018	1.6	21.9353	1.7	0.1652	2.8	0.0263	2.3	0.80	167.2	3.7	155.3	4.1	24.1	40.7	167.2	3.7
Dafov1 17March2016-QUARTZITE Spot 53	566	111787	1.2	20.2724	0.7	0.1789	2.0	0.0263	1.8	0.93	167.4	3.0	167.1	3.0	163.4	17.2	167.4	3.0
Dafov1 17March2016-QUARTZITE Spot 58	876	294977	1.5	20.0727	0.8	0.1818	1.8	0.0265	1.6	0.90	168.4	2.6	169.6	2.8	186.5	17.7	168.4	2.6
Dafov1 17March2016-QUARTZITE Spot 46	780	31867	1.7	20.4295	0.9	0.1809	2.3	0.0268	2.1	0.91	170.5	3.5	168.8	3.6	145.4	22.2	170.5	3.5
Dafov1 17March2016-QUARTZITE Spot 62	485	9706	1.4	19.5687	1.1	0.1889	2.0	0.0268	1.6	0.82	170.6	2.8	175.7	3.2	245.4	26.5	170.6	2.8
Dafov1 17March2016-QUARTZITE Spot 52	1019	596757	1.7	19.8355	0.6	0.1878	1.4	0.0270	1.3	0.92	171.8	2.2	174.7	2.3	214.2	12.8	171.8	2.2

Sample: Riverside

Dafov2 17March2016-RIVERSIDE Spot 34	192	129852	3.2	20.0075	1.7	0.1024	3.3	0.0149	2.9	0.87	95.1	2.7	99.0	3.1	194.1	38.8	95.1	2.7
Dafov2 17March2016-RIVERSIDE Spot 24	126	9487	1.8	20.6650	1.4	0.1012	4.8	0.0152	4.6	0.96	97.0	4.4	97.9	4.5	118.4	32.2	97.0	4.4
Dafov2 17March2016-RIVERSIDE Spot 20	287	24106	1.9	20.4937	1.3	0.1034	2.8	0.0154	2.6	0.90	98.3	2.5	99.9	2.7	138.0	29.6	98.3	2.5
Dafov2 17March2016-RIVERSIDE Spot 26	76	1505	1.9	25.8245	13.0	0.0823	13.4	0.0154	3.2	0.24	98.6	3.1	80.3	10.3	435.4	343.4	98.6	3.1
Dafov2 17March2016-RIVERSIDE Spot 15	402	11013	2.0	20.5588	1.1	0.1042	2.0	0.0155	1.6	0.83	99.4	1.6	100.6	1.9	130.5	25.7	99.4	1.6
Dafov2 17March2016-RIVERSIDE Spot 13	275	7751	1.9	20.9949	1.1	0.1022	2.1	0.0156	1.8	0.85	99.6	1.7	98.8	1.9	80.9	25.8	99.6	1.7
Dafov2 17March2016-RIVERSIDE Spot 16	275	25323	1.9	20.9980	1.0	0.1025	2.4	0.0156	2.1	0.90	99.8	2.1	99.0	2.2	80.6	24.9	99.8	2.1
Dafov2 17March2016-RIVERSIDE Spot 27	65	3195	1.8	21.7894	2.7	0.0989	4.1	0.0156	3.1	0.76	100.0	3.1	95.8	3.8	7.9	64.4	100.0	3.1
Dafov2 17March2016-RIVERSIDE Spot 25	198	6291	1.9	21.1938	1.8	0.1017	3.8	0.0156	3.4	0.88	100.0	3.3	98.3	3.6	58.6	43.2	100.0	3.3
Dafov2 17March2016-RIVERSIDE Spot 19	301	121352	1.8	20.6660	1.4	0.1046	2.6	0.0157	2.2	0.84	100.3	2.2	101.0	2.5	118.3	33.6	100.3	2.2
Dafov2 17March2016-RIVERSIDE Spot 21	205	5470	1.9	21.9045	3.4	0.0988	4.1	0.0157	2.4	0.58	100.4	2.4	95.7	3.7	20.7	81.2	100.4	2.4
Dafov2 17March2016-RIVERSIDE Spot 32	199	6210	2.5	21.0272	1.9	0.1035	4.3	0.0158	3.8	0.89	101.0	3.8	100.0	4.1	77.3	45.9	101.0	3.8
Dafov2 17March2016-RIVERSIDE Spot 14	231	7367	2.3	21.8704	1.4	0.0996	2.4	0.0158	2.0	0.82	101.0	2.0	96.4	2.2	16.9	33.8	101.0	2.0
Dafov2 17March2016-RIVERSIDE Spot 28	266	69429	1.9	20.5058	1.2	0.1065	2.7	0.0158	2.5	0.90	101.3	2.5	102.8	2.7	136.6	27.3	101.3	2.5
Dafov2 17March2016-RIVERSIDE Spot 23	169	3475	3.6	23.1132	2.7	0.0949	3.6	0.0159	2.4	0.66	101.7	2.4	92.0	3.2	152.3	67.3	101.7	2.4
Dafov2 17March2016-RIVERSIDE Spot 12	54	2435	1.5	19.4383	4.6	0.1140	5.4	0.0161	2.8	0.53	102.8	2.9	109.6	5.6	260.8	104.8	102.8	2.9
Dafov2 17March2016-RIVERSIDE Spot 17	102	10508	1.3	19.2558	2.2	0.1185	3.3	0.0165	2.4	0.74	105.8	2.6	113.7	3.5	282.5	50.7	105.8	2.6
Dafov2 17March2016-RIVERSIDE Spot 18	119	26719	1.6	14.9107	4.1	0.1540	4.8	0.0167	2.4	0.51	106.5	2.6	145.4	6.4	839.8	85.3	106.5	2.6
Dafov2 17March2016-RIVERSIDE Spot 29	91	70790	2.4	17.6157	3.0	0.1372	4.2	0.0175	3.0	0.70	112.1	3.3	130.6	5.2	482.5	66.8	112.1	3.3
Dafov2 17March2016-RIVERSIDE Spot 33	165	7367	3.5	19.0329	2.4	0.1291	3.2	0.0178	2.2	0.69	113.9	2.5	123.3	3.8	309.0	53.6	113.9	2.5
Dafov2 17March2016-RIVERSIDE Spot 31	292	10828917	3.3	9.8359	0.8	3.6916	4.3	0.2633	4.2	0.98	1506.9	57.0	1569.5	34.5	1654.8	15.5	1654.8	15.5
Dafov2 17March2016-RIVERSIDE Spot 22	261	277062	3.4	9.8240	7.4	3.6829	10.1	0.2624	6.9	0.68	1502.1	92.3	1567.7	80.9	1657.0	137.4	1657.0	137.4
Dafov2 17March2016-RIVERSIDE Spot 30	303	201176	4.8	9.7922	0.6	3.9461	3.2	0.2803	3.1	0.98	1592.6	44.0	1623.2	25.7	1663.0	10.3	1663.0	10.3

Sample: Strawberry

Dafov2 17March2016-STRAWBERRY Spot 50	65	2966	1.2	22.3899	3.2	0.1294	4.2	0.0210	2.8	0.66	134.0	3.7	123.6	4.9	74.0	77.1	134.0	3.7
Dafov2 17March2016-STRAWBERRY Spot 56	274	8001	0.7	20.3330	1.3	0.1530	2.7	0.0226	2.4	0.89	143.8	3.5	144.6	3.7	156.5	29.5	143.8	3.5
Dafov2 17March2016-STRAWBERRY Spot 53	74	3107	1.0	21.4105	2.9	0.1454	4.4	0.0226	3.3	0.76	143.9	4.7	137.8	5.7	34.2	68.6	143.9	4.7
Dafov2 17March2016-STRAWBERRY Spot 70	280	5094	0.6	21.2714	1.1	0.1478	2.7	0.0228	2.4	0.91	145.3	3.5	140.0	3.5	49.8	26.1	145.3	3.5
Dafov2 17March2016-STRAWBERRY Spot 48	74	4321	0.5	19.3040	2.3	0.1648	3.4	0.0231	2.5	0.74	147.0	3.6	154.9	4.8	276.7	51.7	147.0	3.6
Dafov2 17March2016-STRAWBERRY Spot 57	43	995	0.7	25.3682	2.6	0.1259	4.4	0.0232	3.5	0.81	147.6	5.2	120.4	5.0	388.8	67.2	147.6	5.2
Dafov2 17March2016-STRAWBERRY Spot 52	66	28760	0.7	19.0568	1.7	0.1681	3.3	0.0232	2.8	0.86	148.0	4.2	157.7	4.8	306.2	38.7	148.0	4.2
Dafov2 17March2016-STRAWBERRY Spot 54	242	19160	0.6	20.2109	1.3	0.1588	2.5	0.0233	2.2	0.86	148.4	3.2	149.7	3.5	170.5	29.9	148.4	3.2
Dafov2 17March2016-STRAWBERRY Spot 66	127	3424	0.5	21.6706	1.6	0.1482	3.0	0.0233	2.5	0.84	148.4	3.7	140.3	3.9	5.2	39.0	148.4	3.7

TABLE DR1

Dafov2 17March2016-STRAWBERRY Spot 68	156	60709	0.8	20.0948	1.4	0.1603	2.7	0.0234	2.3	0.85	148.8	3.3	150.9	3.8	184.0	33.4	148.8	3.3
Dafov2 17March2016-STRAWBERRY Spot 59	310	12205	0.5	20.6737	1.2	0.1560	2.3	0.0234	1.9	0.85	149.0	2.8	147.2	3.1	117.5	28.2	149.0	2.8
Dafov2 17March2016-STRAWBERRY Spot 69	47	2884	1.1	21.8381	2.9	0.1480	4.7	0.0234	3.7	0.79	149.3	5.5	140.1	6.2	13.3	70.6	149.3	5.5
Dafov2 17March2016-STRAWBERRY Spot 65	94	3720	0.6	21.9915	2.2	0.1471	3.1	0.0235	2.2	0.70	149.5	3.2	139.4	4.0	30.3	53.1	149.5	3.2
Dafov2 17March2016-STRAWBERRY Spot 60	240	44784	0.8	18.0512	1.3	0.1796	2.6	0.0235	2.2	0.86	149.8	3.3	167.7	4.0	428.3	29.5	149.8	3.3
Dafov2 17March2016-STRAWBERRY Spot 46	170	77482	1.0	20.6536	1.2	0.1574	2.6	0.0236	2.4	0.89	150.2	3.5	148.4	3.6	119.7	27.9	150.2	3.5
Dafov2 17March2016-STRAWBERRY Spot 63	39	1352	0.7	23.8955	6.7	0.1362	7.5	0.0236	3.2	0.44	150.4	4.8	129.7	9.1	235.6	169.4	150.4	4.8
Dafov2 17March2016-STRAWBERRY Spot 51	184	10309	1.0	20.4414	1.3	0.1597	2.9	0.0237	2.6	0.89	150.8	3.9	150.4	4.1	144.0	31.0	150.8	3.9
Dafov2 17March2016-STRAWBERRY Spot 61	292	7322	1.6	20.9373	1.4	0.1559	2.5	0.0237	2.2	0.85	150.9	3.2	147.1	3.5	87.5	32.0	150.9	3.2
Dafov2 17March2016-STRAWBERRY Spot 47	46	2436	0.6	19.3326	3.1	0.1689	4.8	0.0237	3.7	0.76	150.9	5.4	158.4	7.0	273.3	71.5	150.9	5.4
Dafov2 17March2016-STRAWBERRY Spot 55	20	482	0.6	49.1940	12.5	0.0669	13.3	0.0239	4.5	0.34	152.0	6.7	65.7	8.4	2564.8	540.1	152.0	6.7
Dafov2 17March2016-STRAWBERRY Spot 62	272	9026	0.7	20.8672	2.0	0.1584	3.2	0.0240	2.5	0.79	152.8	3.8	149.3	4.5	95.4	47.1	152.8	3.8
Dafov2 17March2016-STRAWBERRY Spot 49	21	22079	0.8	19.6983	3.7	0.1712	5.3	0.0245	3.8	0.72	155.8	5.9	160.5	7.9	230.2	85.8	155.8	5.9
Dafov2 17March2016-STRAWBERRY Spot 64	77	7154	0.8	21.2719	2.0	0.1617	3.5	0.0250	2.9	0.82	158.9	4.6	152.2	5.0	49.8	48.2	158.9	4.6
Dafov2 17March2016-STRAWBERRY Spot 58	232	9174	1.1	20.5295	1.8	0.1712	3.0	0.0255	2.4	0.81	162.3	3.9	160.5	4.4	133.9	41.6	162.3	3.9
Sample: Finger																		
Dafov2 17March2016-FINGER Spot 17	182	5280	0.7	20.9126	1.3	0.1737	3.0	0.0263	2.7	0.91	167.6	4.5	162.6	4.5	90.3	29.7	167.6	4.5
Dafov2 17March2016-FINGER Spot 22	262	12690	1.1	20.4116	1.3	0.1780	2.9	0.0264	2.5	0.89	167.7	4.2	166.4	4.4	147.4	30.2	167.7	4.2
Dafov2 17March2016-FINGER Spot 30	115	4432	1.2	20.9627	3.7	0.1748	5.1	0.0266	3.4	0.68	169.0	5.7	163.5	7.6	84.6	88.2	169.0	5.7
Dafov2 17March2016-FINGER Spot 31	147	43373	2.2	19.5180	2.1	0.1879	3.6	0.0266	3.0	0.82	169.2	4.9	174.8	5.8	251.4	47.6	169.2	4.9
Dafov2 17March2016-FINGER Spot 23	157	5465	1.0	21.1038	1.4	0.1739	2.9	0.0266	2.5	0.88	169.3	4.2	162.8	4.3	68.7	32.3	169.3	4.2
Dafov2 17March2016-FINGER Spot 25	100	15456	1.4	19.8519	1.7	0.1849	2.8	0.0266	2.3	0.81	169.3	3.8	172.2	4.4	212.2	38.4	169.3	3.8
Dafov2 17March2016-FINGER Spot 19	369	34313	1.1	20.3121	0.9	0.1812	2.5	0.0267	2.3	0.93	169.8	3.8	169.1	3.8	158.9	20.5	169.8	3.8
Dafov2 17March2016-FINGER Spot 26	74	4801	1.3	21.1550	1.7	0.1741	3.1	0.0267	2.6	0.84	169.9	4.3	163.0	4.6	62.9	40.3	169.9	4.3
Dafov2 17March2016-FINGER Spot 20	175	6519	3.5	21.2402	1.6	0.1737	3.4	0.0268	3.0	0.88	170.2	5.1	162.6	5.2	53.3	38.5	170.2	5.1
Dafov2 17March2016-FINGER Spot 35	180	12865	0.9	20.1378	1.3	0.1832	2.6	0.0268	2.3	0.87	170.2	3.9	170.8	4.1	179.0	29.7	170.2	3.9
Dafov2 17March2016-FINGER Spot 16	123	4994	0.8	21.5796	2.2	0.1713	3.8	0.0268	3.1	0.81	170.6	5.2	160.6	5.7	15.4	53.1	170.6	5.2
Dafov2 17March2016-FINGER Spot 21	142	7580	1.0	20.2404	1.7	0.1832	2.9	0.0269	2.3	0.80	171.0	3.9	170.8	4.5	167.1	40.3	171.0	3.9
Dafov2 17March2016-FINGER Spot 33	215	9433	1.0	20.8127	1.2	0.1781	2.8	0.0269	2.5	0.90	171.1	4.3	166.5	4.3	101.6	28.4	171.1	4.3
Dafov2 17March2016-FINGER Spot 24	131	4608	0.8	21.0332	2.3	0.1771	3.5	0.0270	2.6	0.75	171.9	4.4	165.6	5.3	76.6	54.3	171.9	4.4
Dafov2 17March2016-FINGER Spot 29	92	10313	1.1	20.4894	1.7	0.1821	3.6	0.0271	3.2	0.88	172.1	5.4	169.9	5.7	138.5	40.4	172.1	5.4
Dafov2 17March2016-FINGER Spot 34	88	2314	1.2	23.3582	2.8	0.1597	3.9	0.0271	2.8	0.71	172.1	4.8	150.5	5.5	178.5	68.7	172.1	4.8
Dafov2 17March2016-FINGER Spot 27	206	20549	0.9	20.4788	1.0	0.1832	2.5	0.0272	2.3	0.91	173.1	3.9	170.8	4.0	139.7	24.0	173.1	3.9
Dafov2 17March2016-FINGER Spot 28	105	8071	0.8	20.7621	1.4	0.1821	3.1	0.0274	2.7	0.89	174.4	4.7	169.9	4.8	107.4	33.5	174.4	4.7
Dafov2 17March2016-FINGER Spot 32	184	6997	0.8	20.9909	1.5	0.1813	2.9	0.0276	2.5	0.86	175.5	4.4	169.2	4.6	81.4	35.7	175.5	4.4
Dafov2 17March2016-FINGER Spot 18	256	101940	1.7	20.2213	1.0	0.1888	2.3	0.0277	2.0	0.90	176.1	3.6	175.6	3.7	169.3	23.6	176.1	3.6
Sample: Hope																		
Dafov2 17March2016-HOPE Spot 67	1827	31309	2.4	21.0484	0.8	0.0710	2.3	0.0108	2.2	0.94	69.5	1.5	69.6	1.6	74.9	18.4	69.5	1.5
Dafov2 17March2016-HOPE Spot 60	1101	103533	3.4	20.6619	0.9	0.0731	2.2	0.0110	2.0	0.91	70.2	1.4	71.6	1.5	118.8	21.7	70.2	1.4
Dafov2 17March2016-HOPE Spot 68	1014	25439	1.2	20.1545	0.8	0.0752	2.3	0.0110	2.2	0.94	70.5	1.5	73.6	1.7	177.1	18.4	70.5	1.5
Dafov2 17March2016-HOPE Spot 52	2154	33940	1.9	20.9655	0.8	0.0728	2.4	0.0111	2.2	0.94	71.0	1.6	71.4	1.6	84.3	19.3	71.0	1.6
Dafov2 17March2016-HOPE Spot 69	1391	534176	3.1	20.8401	0.8	0.0737	1.9	0.0111	1.7	0.90	71.4	1.2	72.2	1.3	98.5	19.5	71.4	1.2
Dafov2 17March2016-HOPE Spot 61	2035	27755	1.9	20.9231	0.9	0.0735	2.4	0.0112	2.2	0.92	71.5	1.6	72.0	1.6	89.1	21.9	71.5	1.6
Dafov2 17March2016-HOPE Spot 48	1176	133472	3.0	20.4882	0.9	0.0752	2.0	0.0112	1.8	0.90	71.6	1.3	73.6	1.5	138.7	21.2	71.6	1.3
Dafov2 17March2016-HOPE Spot 50	1622	48550	2.6	21.2417	0.8	0.0728	2.1	0.0112	1.9	0.92	71.9	1.4	71.3	1.4	53.1	19.7	71.9	1.4
Dafov2 17March2016-HOPE Spot 59	1005	234897	2.6	20.2874	1.2	0.0763	2.4	0.0112	2.1	0.87	72.0	1.5	74.7	1.7	161.7	27.8	72.0	1.5
Dafov2 17March2016-HOPE Spot 70	622	8135	4.9	19.8808	1.5	0.0781	2.7	0.0113	2.2	0.83	72.2	1.6	76.4	2.0	208.9	34.5	72.2	1.6
Dafov2 17March2016-HOPE Spot 58	1120	173419	3.6	20.6804	0.9	0.0762	1.7	0.0114	1.4	0.84	73.3	1.0	74.6	1.2	116.7	21.3	73.3	1.0
Dafov2 17March2016-HOPE Spot 47	1047	24484	2.9	18.7301	1.2	0.0844	1.8	0.0115	1.4	0.77	73.5	1.0	82.3	1.5	345.4	26.5	73.5	1.0
Dafov2 17March2016-HOPE Spot 46	151	7408	3.0	21.8233	2.7	0.0726	4.3	0.0115	3.3	0.77	73.7	2.4	71.2	2.9	11.7	66.1	73.7	2.4
Dafov2 17March2016-HOPE Spot 62	515	13077	1.8	20.9549	1.3	0.0757	2.5	0.0115	2.2	0.86	73.7	1.6	74.1	1.8	85.5	30.1	73.7	1.6
Dafov2 17March2016-HOPE Spot 49	962	28633	2.5	20.8896	0.9	0.0760	2.4	0.0115	2.2	0.92	73.8	1.6	74.4	1.7	92.9	21.7	73.8	1.6
Dafov2 17March2016-HOPE Spot 54	251	8583	3.1	21.5635	1.5	0.0736	2.7	0.0115	2.3	0.83	73.8	1.7	72.2	1.9	17.1	36.2	73.8	1.7
Dafov2 17March2016-HOPE Spot 55	265	11198	5.7	21.2446	1.3	0.0749	2.8	0.0115	2.5	0.89	73.9	1.8	73.3	2.0	52.8	30.5	73.9	1.8
Dafov2 17March2016-HOPE Spot 65	636	8232	3.0	21.5301	1.0	0.0741	2.4	0.0116	2.1	0.90	74.2	1.6	72.6	1.6	20.9	24.7	74.2	1.6
Dafov2 17March2016-HOPE Spot 63	593	77113	6.0	20.5439	1.3	0.0778	2.5	0.0116	2.1	0.85	74.3	1.5	76.1	1.8	132.3	30.8	74.3	1.5
Dafov2 17March2016-HOPE Spot 51	348	43508	2.9	20.8283	1.6	0.0770	3.5	0.0116	3.1	0.89	74.5	2.3	75.3	2.5	99.9	37.9	74.5	2.3
Dafov2 17March2016-HOPE Spot 56	261	29266	5.5	20.2600	1.4	0.0794	3.1	0.0117	2.7	0.89	74.7	2.0	77.5	2.3	164.9	32.6	74.7	2.0
Dafov2 17March2016-HOPE Spot 64	252	8233	2.4	21.2204	1.6	0.0763	3.3	0.0117	2.9	0.88	75.2	2.1	74.6	2.3	55.5	37.0	75.2	2.1
Dafov2 17March2016-HOPE Spot 66	178	42974	2.2	20.3851	2.0	0.0825	3.2	0.0122	2.5	0.79	78.1	2.0	80.4	2.5	150.5	46.1	78.1	2.0
Dafov2 17March2016-HOPE Spot 57	832	6808797	5.1	19.4330	1.2	0.0905	2.6	0.0128	2.4	0.90	81.7	1.9	87.9	2.2	261.4	26.5	81.7	1.9
Dafov2 17March2016-HOPE Spot 53	186	7898	2.7	20.1195	2.0	0.0916	3.3	0.0134	2.6	0.79	85.5	2.2	88.9	2.8	181.1	46.3	85.5	2.2
Sample: Granite-Mtn																		
Dafov3 17Mar2016-Granite mtn Spot 3	33	375	1.0	78.8295	62.9	0.0187	63.0	0.0107	3.7	0.06	68.5	2.5	18.8	11.7	0.0	388.4	68.5	2.5
Dafov3 17Mar2016-Granite mtn Spot 7	19	387	1.0	49.9855	32.0	0.0296	32.6	0.0107	5.8	0.18	68.8	4.0	29.6	9.5	2634.3	608.8	68.8	4.0
Dafov3 17Mar2016-Granite mtn Spot 15	543	13574	2.4	21.1054	1.1	0.0708	2.0	0.0108	1.6	0.83	69.5	1.1	69.5	1.3	68.5	25.9	69.5	1.1
Dafov3 17Mar2016-Granite mtn Spot 16	449	36293	2.0	20.8413	1.1	0.0721	2.0	0.0109	1.7	0.84	69.9	1.2	70.7	1.4	98.4	25.8	69.9	1.2
Dafov3 17Mar2016-Granite mtn Spot 25	239	38222	2.9	20.8582	1.4	0.0722	2.0	0.0109	1.4	0.71	70.1	1.0	70.8	1.4	96.5	33.5	70.1	1.0
Dafov3 17Mar2016-Granite mtn Spot 21	1119	10857	2.6	20.3573	0.9	0.0748	2.0	0.0110	1.8	0.88	70.8	1.3	73.3	1.4	153.7	22.2	70.8	1.3
Dafov3 17Mar2016-Granite mtn Spot 19	389	101129	3.0	20.5712	1.1	0.0744	2.1	0.0111	1.8	0.85	71.2	1.3	72.9	1.5	129.2	25.7	71.2	1.3
Dafov3 17Mar2016-Granite mtn Spot 14	512	23859	2.1	21.0286	1.3	0.0729	2.3	0.0111	1.9	0.83	71.3	1.4	71.5	1.6	77.1	30.3	71.3	1.4
Dafov3 17Mar2016-Granite mtn Spot 6	401	15012	1.4	20.4016	1.0	0.0754	2.1	0.0112	1.8	0.87	71.6	1.3	73.9	1.5	148.6	24.1	71.6	1.3
Dafov3 17Mar2016-Granite mtn Spot 8	179	3249	5.1	22.5468	2.0	0.0683	3.5	0.0112	2.9	0.82	71.6	2.0	67.1	2.3	91.1	48.8	71.6	2.0
Dafov3 17Mar2016-Granite mtn Spot 11	169	2033	8.2	24.7272	2.1	0.0624	3.3	0.0112	2.6	0.77	71.8	1.8	61.5	2.0	322.7	54.0	71.8	1.8
Dafov3 17Mar2016-Granite mtn Spot 23	153	5755	1.9	21.9128	2.0	0.0721	4.7	0.0115	4.3	0.91	73.4	3.1	70.6	3.2	21.6	48.5	73.4	3.1
Dafov3 17Mar2016-Granite mtn Spot 9	20	201	0.5	15.1173	11.7	0.1054	12.3	0.0116	4.0	0.32	74.0	2.9	101.7	11.9	811.1	245.1	74.0	2.9
Dafov3 17Mar2016-Granite mtn Spot 2	43	5290	1.3	17.9700	4.1	0.0893	5.2	0.0116	3.3	0.62	74.6	2.4	86.9	4.3	438.3	90.6	74.6	2.4
Dafov3 17Mar2016-Granite mtn Spot 17	119	21713	1.6	20.8919	2.2	0.0769	4.3	0.0117	3.7	0.86	74.7	2.8	75.2	3.1	92.6	51.6	74.7	2.8
Dafov3 17Mar2016-Granite mtn Spot 22	58	6981	2.9	16.2497	5.1	0.1392	10.1	0.0164	8.8	0.86	104.9	9.1	132.4	12.6	658.2	109.7	104.9	9.1
Dafov3 17Mar2016-Granite mtn Spot 18	109	21597	3.9	19.9417	1.3	0.1188	2.7	0.0172	2.4	0.89	109.8	2.6	114.0	3.0	201.8	29.3	109.8	2.6
Dafov3 17Mar2016-Granite mtn Spot 24	185	39371	2.0	14.2555	1.2	0.2168	2.9	0.0224	2.6	0.90	142.9	3.7	199.2	5.2	932.7	25.5	142.9	3.7
Dafov3 17Mar2016-Granite mtn Spot 13	193	138174	4.9	14.4591	4.0	0.2151	7.7	0.0226	6.6	0.86	143.8	9.4	197.8	13.8	903.5	81.5	143.8	9.4
Dafov3 17Mar2016-Granite mtn Spot 20	404	154213	3.0	11.1392	0.8	2.4715	4.9	0.1997	4.9	0.99	1173.6	52.3	1263.7	35.7	1420.7	14.5	1420.7	14.5
Dafov3 17Mar2016-Granite mtn Spot 1	170	64388	2.4	11.1015	0.8	2.7534	2.4	0.2217	2.2	0.94	1290.8	26.3	1343.0	17.9	1427.2	16.1	1427.2	16.1
Dafov3 17Mar2016-Granite mtn Spot 10	77	18849	1.7	10.0385	7.8	3.3709	9.8	0.2454	5.9	0.60	1414.8	75.4	1497.7	77.2	1616.9	146.2	1616.9	146.2
Dafov3 17Mar2016-Granite mtn Spot 4	703	235140	3.7	9.9157	0.9	3.8542	2.2	0.2772	2.0	0.91	1577.1	28.4	1604.2	17.9	1639.8	16.7	1639.8	16.7
Sample: Barstow-T																		
Dafov3 17Mar2016-Barstow T Spot 70	120	574	3.8	40.0439	7.0	0.0092	7.7	0.0027	3.3	0.43	17.2	0.6	9.3	0.7	1762.7	247.1	17.2	0.6
Dafov3 17Mar2016-Barstow T Spot 59	74	328	3.4	282.6674	219.2	0.0013	219.2	0.0027	3.1	0.01	17.5	0.5	1.3	2.9	0.0	0.0	17.5	0.5
Dafov3 17Mar2016-Barstow T Spot 63	201	4219	2.9	22.7658	3.6	0.0165	4.2	0.0027	2.3	0.54	17.5	0.4	16.6	0.7	114.8	88.2	17.5	0.4
Dafov3 17Mar2016-Barstow T Spot 54	83	422	3.8	77.9363	45.4	0.0048	45.5	0.0027	3.0	0.07	17.6	0.5	4.9	2.2	0.0	990.1	17.6	0.5
Dafov3 17Mar2016-Barstow T Spot 66	142	2004	3.8	24.0461	3.2	0.0158	4.1	0.0028	2.5	0.62	17.8	0.4	15.9	0.6	251.5	80.9	17.8	0.4
Dafov3 17Mar2016-Barstow T Spot 58	70	522	3.1	36.8771	19.8	0.0104	20.1	0.0028	3.5	0.17	17.9	0.6	10.5	2.1	1480.9	661.3	17.9	0.6
Dafov3 17Mar2016-Barstow T Spot 48	199	1397	1.6	27.0988	3.9	0.0142	4.6	0.0028	2.4	0.53	18.0	0.4	14.3	0.6	563.7	104.3	18.0	0.4
Dafov3 17Mar2016-Barstow T Spot 51	74	656	3.0	32.9036	6.7	0.0117	7.4	0.0028	3.1	0.42	18.0	0.6	11.8	0.9	1119.2	205.2	18.0	0.6
Dafov3 17Mar2016-Barstow T Spot 46	88	1606	1.8	24.9954	4.7	0.0155	5.9	0.0028	3.5	0.59	18.0	0.6	15.6	0.9	350.5	121.9	18.0	0.6
Dafov3 17Mar2016-Barstow T Spot 64	148	589	4.1	49.2419	13.8	0.0079	14.1	0.0028	2.9	0.20	18.2	0.5	8.0	1.1	2569.0	600.3	18.2	0.5
Dafov3 17Mar2016-Barstow T Spot 52	162	2528	3.1	22.2361	3.4	0.0175	4.2	0.0028	2.4	0.58	18.2	0.4	17.6	0.7	57.1	82.6	18.2	0.4
Dafov3 17Mar2016-Barstow T Spot 53	103	540	2.9	45.3018	19.4	0.0086	19.6	0.0028	2.8	0.14	18.2	0.5	8.7	1.7	2224.2	773.6	18.2	0.5
Dafov3 17Mar2016-Barstow T Spot 55	113	2038	2.9	20.3076	6.3	0.0192	6.9	0.0028	2.8	0.41	18.2	0.5	19.4	1.3	159.4	148.0	18.2	0.5
Dafov3 17Mar2016-Barstow T Spot 68	184	11194	4.1	19.0751	3.6	0.0205	4.5	0.0028	2.6	0.59	18.2	0.5	20.6	0.9	304.0	82.0	18.2	0.5
Dafov3 17Mar2016-Barstow T Spot 62	59	1081	3.3	29.8592	5.5	0.0133	6.8	0.0029	4.0	0.59	18.6	0.7	13.4	0.9	832.9	157.3	18.6	0.7

Dafov3 17Mar2016-Barstow T Spot 61	790	4860	3.0	22.2705	1.9	0.0178	2.7	0.0029	1.9	0.70	18.6	0.4	18.0	0.5	60.9	46.9	18.6	0.4
Dafov3 17Mar2016-Barstow T Spot 57	153	484	2.8	63.2188	81.9	0.0063	81.9	0.0029	2.5	0.03	18.6	0.5	6.4	5.2	0.0	682.6	18.6	0.5
Dafov3 17Mar2016-Barstow T Spot 47	393	1809	3.0	25.1098	10.6	0.0159	10.9	0.0029	2.5	0.23	18.6	0.5	16.0	1.7	362.3	274.1	18.6	0.5
Dafov3 17Mar2016-Barstow T Spot 56	76	716	3.8	31.1436	11.5	0.0129	12.1	0.0029	3.8	0.31	18.8	0.7	13.0	1.6	954.9	338.6	18.8	0.7
Dafov3 17Mar2016-Barstow T Spot 65	143	29207	2.6	22.2117	3.6	0.0182	4.4	0.0029	2.6	0.59	18.9	0.5	18.3	0.8	54.5	87.1	18.9	0.5
Dafov3 17Mar2016-Barstow T Spot 60	169	2991	2.7	22.1372	2.6	0.0184	3.8	0.0030	2.7	0.72	19.0	0.5	18.5	0.7	46.3	63.5	19.0	0.5
Dafov3 17Mar2016-Barstow T Spot 50	206	52619	2.1	20.5349	1.1	0.0934	2.4	0.0139	2.1	0.89	89.0	1.9	90.6	2.1	133.3	25.1	89.0	1.9
Dafov3 17Mar2016-Barstow T Spot 49	158	5087	5.1	21.5441	3.5	0.1024	4.1	0.0160	2.2	0.53	102.3	2.2	99.0	3.9	19.3	83.3	102.3	2.2
Dafov3 17Mar2016-Barstow T Spot 67	137	2292	1.0	16.8117	6.6	0.1838	7.0	0.0224	2.4	0.35	142.9	3.5	171.3	11.0	584.8	142.4	142.9	3.5
Sample: Rosamond																		
Dafov3 17Mar2016-Rosamond Spot 17	221	9206	2.2	20.6630	1.3	0.0889	2.3	0.0133	1.9	0.84	85.3	1.6	86.5	1.9	118.7	29.8	85.3	1.6
Dafov3 17Mar2016-Rosamond Spot 14	352	15303	2.2	21.1420	1.1	0.0876	1.8	0.0134	1.5	0.79	86.0	1.2	85.3	1.5	64.4	26.6	86.0	1.2
Dafov3 17Mar2016-Rosamond Spot 25	213	4234	2.4	22.1833	4.1	0.0838	4.7	0.0135	2.2	0.47	86.4	1.9	81.8	3.7	51.4	100.9	86.4	1.9
Dafov3 17Mar2016-Rosamond Spot 34	306	43000	2.1	21.1032	0.9	0.0882	2.1	0.0135	1.9	0.90	86.4	1.6	85.8	1.7	68.8	21.4	86.4	1.6
Dafov3 17Mar2016-Rosamond Spot 11	299	4437	2.0	20.5834	1.5	0.0910	3.0	0.0136	2.6	0.86	87.0	2.2	88.5	2.5	127.8	36.0	87.0	2.2
Dafov3 17Mar2016-Rosamond Spot 29	287	239819	1.9	20.5653	1.3	0.0912	2.5	0.0136	2.1	0.85	87.1	1.9	88.6	2.2	129.8	31.5	87.1	1.9
Dafov3 17Mar2016-Rosamond Spot 23	230	17584	2.4	20.7205	1.1	0.0906	2.1	0.0136	1.7	0.83	87.2	1.5	88.1	1.7	112.1	27.1	87.2	1.5
Dafov3 17Mar2016-Rosamond Spot 33	373	47869	2.9	20.6644	1.1	0.0909	2.0	0.0136	1.7	0.84	87.2	1.5	88.3	1.7	118.5	25.5	87.2	1.5
Dafov3 17Mar2016-Rosamond Spot 13	381	14167	1.7	21.1832	1.3	0.0891	2.1	0.0137	1.7	0.78	87.7	1.4	86.7	1.8	59.8	31.2	87.7	1.4
Dafov3 17Mar2016-Rosamond Spot 18	742	79709	2.1	20.4368	1.1	0.0926	2.3	0.0137	2.0	0.88	87.9	1.8	89.9	2.0	144.5	25.2	87.9	1.8
Dafov3 17Mar2016-Rosamond Spot 31	845	108503	1.8	20.5654	1.0	0.0928	2.2	0.0138	1.9	0.89	88.6	1.7	90.1	1.9	129.8	23.7	88.6	1.7
Dafov3 17Mar2016-Rosamond Spot 16	559	24424	1.6	19.7775	1.5	0.0976	2.3	0.0140	1.7	0.76	89.6	1.5	94.5	2.1	220.9	34.5	89.6	1.5
Dafov3 17Mar2016-Rosamond Spot 30	730	27927	1.8	20.5859	1.1	0.0939	2.0	0.0140	1.7	0.84	89.7	1.5	91.1	1.8	127.5	25.7	89.7	1.5
Dafov3 17Mar2016-Rosamond Spot 32	153	9109	3.6	20.4529	1.8	0.0951	2.6	0.0141	1.8	0.71	90.3	1.7	92.3	2.3	142.7	42.4	90.3	1.7
Dafov3 17Mar2016-Rosamond Spot 22	511	18795	3.2	20.8165	1.1	0.0939	2.3	0.0142	2.1	0.88	90.7	1.8	91.1	2.0	101.2	26.7	90.7	1.8
Dafov3 17Mar2016-Rosamond Spot 24	193	5087	2.5	21.4579	1.6	0.0911	2.5	0.0142	1.9	0.78	90.8	1.8	88.6	2.1	28.9	37.5	90.8	1.8
Dafov3 17Mar2016-Rosamond Spot 20	647	26472	4.0	20.7995	1.0	0.0942	2.0	0.0142	1.7	0.87	90.9	1.5	91.4	1.7	103.1	23.1	90.9	1.5
Dafov3 17Mar2016-Rosamond Spot 12	429	6984	2.5	19.7755	1.7	0.1002	2.9	0.0144	2.3	0.79	92.0	2.1	97.0	2.6	221.1	40.5	92.0	2.1
Dafov3 17Mar2016-Rosamond Spot 21	1367	5559	3.8	17.6146	1.8	0.1185	2.4	0.0151	1.6	0.67	96.9	1.6	113.7	2.6	482.7	39.8	96.9	1.6
Dafov3 17Mar2016-Rosamond Spot 15	1196	62065	3.2	20.1569	0.9	0.1128	2.6	0.0165	2.4	0.94	105.4	2.5	108.5	2.6	176.8	21.0	105.4	2.5
Dafov3 17Mar2016-Rosamond Spot 26	241	10205	2.3	20.4298	1.2	0.1698	2.3	0.0252	2.0	0.85	160.2	3.1	159.2	3.4	145.3	28.6	160.2	3.1
Dafov3 17Mar2016-Rosamond Spot 19	119	6503	2.5	21.3524	2.5	0.1796	3.2	0.0278	2.0	0.62	176.9	3.5	167.7	5.0	40.8	60.9	176.9	3.5
Dafov3 17Mar2016-Rosamond Spot 35	85	25964	1.6	11.4711	0.8	2.4003	2.6	0.1997	2.5	0.95	1173.7	26.4	1242.7	18.5	1364.4	14.8	1364.4	14.8
Dafov3 17Mar2016-Rosamond Spot 27	551	1576370	0.2	10.5648	1.4	3.3198	3.1	0.2544	2.8	0.89	1461.0	36.3	1485.7	24.3	1521.2	26.5	1521.2	26.5
Dafov3 17Mar2016-Rosamond Spot 28	550	527586	17.4	9.7389	0.9	4.0628	1.6	0.2870	1.3	0.83	1626.4	18.8	1646.9	12.8	1673.1	16.0	1673.1	16.0
Sample: Yucca																		
Dafov3 17Mar2016-Yucca Spot 57	72	866	2.4	30.5777	3.7	0.0521	4.3	0.0116	2.1	0.50	74.0	1.6	51.6	2.2	901.4	108.5	74.0	1.6
Dafov3 17Mar2016-Yucca Spot 52	883	50211	4.7	20.7774	1.2	0.0769	2.4	0.0116	2.1	0.88	74.3	1.6	75.3	1.8	105.6	27.5	74.3	1.6
Dafov3 17Mar2016-Yucca Spot 45	430	14766	3.4	21.0255	1.4	0.0762	2.1	0.0116	1.5	0.72	74.5	1.1	74.6	1.5	77.5	34.3	74.5	1.1
Dafov3 17Mar2016-Yucca Spot 53	2584	12638	9.8	18.0920	1.6	0.0894	2.4	0.0117	1.8	0.76	75.2	1.4	87.0	2.0	423.3	34.8	75.2	1.4
Dafov3 17Mar2016-Yucca Spot 36	367	11777	2.8	20.8117	1.1	0.0783	2.6	0.0118	2.4	0.91	75.7	1.8	76.5	1.9	101.8	26.5	75.7	1.8
Dafov3 17Mar2016-Yucca Spot 46	431	56542	3.5	21.0068	1.2	0.0781	2.6	0.0119	2.3	0.88	76.3	1.7	76.4	1.9	79.6	28.8	76.3	1.7
Dafov3 17Mar2016-Yucca Spot 58	225	3433	2.6	22.5540	2.4	0.0731	4.5	0.0120	3.8	0.84	76.6	2.9	71.6	3.1	91.9	59.5	76.6	2.9
Dafov3 17Mar2016-Yucca Spot 54	1187	18026	4.9	21.3716	1.0	0.0773	2.2	0.0120	2.0	0.89	76.7	1.5	75.6	1.6	38.6	24.6	76.7	1.5
Dafov3 17Mar2016-Yucca Spot 51	312	3214	2.4	22.3540	5.6	0.0755	6.2	0.0122	2.9	0.46	78.5	2.2	73.9	4.5	70.1	135.7	78.5	2.2
Dafov3 17Mar2016-Yucca Spot 42	370	16110	4.8	21.0878	1.7	0.0802	4.4	0.0123	4.1	0.93	78.6	3.2	78.4	3.3	70.5	39.3	78.6	3.2
Dafov3 17Mar2016-Yucca Spot 60	499	33912	7.0	21.3191	1.3	0.0809	2.9	0.0125	2.6	0.90	80.2	2.1	79.0	2.2	44.4	31.0	80.2	2.1
Dafov3 17Mar2016-Yucca Spot 56	251	5114	1.8	19.1821	4.1	0.0919	4.8	0.0128	2.4	0.49	81.9	1.9	89.3	4.1	291.2	94.4	81.9	1.9
Dafov3 17Mar2016-Yucca Spot 48	639	73608	12.7	20.5309	1.0	0.1013	2.3	0.0151	2.0	0.90	96.5	1.9	97.9	2.1	133.7	23.5	96.5	1.9
Dafov3 17Mar2016-Yucca Spot 41	183	5800	1.0	20.8380	2.1	0.1478	4.3	0.0223	3.7	0.87	142.4	5.2	140.0	5.6	98.7	50.5	142.4	5.2
Dafov3 17Mar2016-Yucca Spot 38	219	23122	0.9	20.3296	1.3	0.1534	2.8	0.0226	2.4	0.88	144.2	3.5	144.9	3.7	156.8	30.1	144.2	3.5
Dafov3 17Mar2016-Yucca Spot 47	871	48945	2.6	20.0623	1.0	0.1587	1.8	0.0231	1.5	0.85	147.2	2.2	149.6	2.5	187.7	22.4	147.2	2.2
Dafov3 17Mar2016-Yucca Spot 37	571	505597	53.7	16.7260	1.5	0.2243	4.5	0.0272	4.2	0.94	173.0	7.2	205.5	8.4	595.9	32.9	173.0	7.2
Dafov3 17Mar2016-Yucca Spot 50	543	51332	16.5	19.1975	0.8	0.2162	2.7	0.0301	2.5	0.95	191.2	4.8	198.7	4.8	289.4	19.3	191.2	4.8
Dafov3 17Mar2016-Yucca Spot 59	481	38339	11.5	12.5133	1.9	0.3494	6.2	0.0317	5.9	0.95	201.2	11.7	304.3	16.3	1194.9	37.3	201.2	11.7
Dafov3 17Mar2016-Yucca Spot 55	359	77760	12.2	19.0976	0.8	0.2671	2.5	0.0370	2.4	0.94	234.2	5.5	240.4	5.4	301.3	19.4	234.2	5.5
Dafov3 17Mar2016-Yucca Spot 44	843	386850	18.2	9.8723	0.7	3.8201	2.1	0.2735	2.0	0.94	1558.7	27.7	1597.0	17.1	1647.9	13.0	1647.9	13.0
Dafov3 17Mar2016-Yucca Spot 43	307	213894	46.7	9.6617	0.8	3.8501	2.9	0.2698	2.8	0.96	1539.7	38.6	1603.3	23.6	1687.8	14.8	1687.8	14.8
Sample: Joshua																		
Dafov_Mount#4_22Mar-JOSHUA Spot 25	2463	500554	1.9	20.8612	0.8	0.0727	1.9	0.0110	1.7	0.91	70.5	1.2	71.3	1.3	96.1	18.9	70.5	1.2
Dafov_Mount#4_22Mar-JOSHUA Spot 33	2977	48031	3.8	20.2401	0.9	0.0766	1.9	0.0112	1.7	0.89	72.1	1.2	75.0	1.4	167.2	20.5	72.1	1.2
Dafov_Mount#4_22Mar-JOSHUA Spot 29	446	15105	7.9	20.7156	1.4	0.0763	2.8	0.0115	2.4	0.86	73.4	1.8	74.6	2.0	112.6	33.0	73.4	1.8
Dafov_Mount#4_22Mar-JOSHUA Spot 19	270	4806	3.6	22.1319	1.9	0.0720	3.1	0.0116	2.5	0.80	74.1	1.8	70.6	2.1	45.7	45.4	74.1	1.8
Dafov_Mount#4_22Mar-JOSHUA Spot 26	312	5703	3.8	22.1670	1.5	0.0741	2.9	0.0119	2.4	0.85	76.3	1.9	72.6	2.0	49.6	37.4	76.3	1.9
Dafov_Mount#4_22Mar-JOSHUA Spot 30	88	1920	1.1	22.9201	5.1	0.0751	6.1	0.0125	3.4	0.55	80.0	2.7	73.6	4.3	131.5	125.5	80.0	2.7
Dafov_Mount#4_22Mar-JOSHUA Spot 11	634	106269	4.7	20.6270	1.0	0.0847	2.0	0.0127	1.8	0.88	81.2	1.5	82.5	1.6	122.7	22.7	81.2	1.5
Dafov_Mount#4_22Mar-JOSHUA Spot 28	373	9153	5.0	19.8598	1.8	0.0881	6.6	0.0127	6.4	0.96	81.3	5.2	85.7	5.5	211.3	41.1	81.3	5.2
Dafov_Mount#4_22Mar-JOSHUA Spot 31	327	6871	1.3	21.2994	1.3	0.0847	2.5	0.0131	2.1	0.86	83.8	1.8	82.6	2.0	46.7	30.7	83.8	1.8
Dafov_Mount#4_22Mar-JOSHUA Spot 17	272	12410	2.2	16.0644	3.9	0.1514	8.5	0.0176	7.5	0.89	112.7	8.4	143.2	11.3	682.7	82.8	112.7	8.4
Dafov_Mount#4_22Mar-JOSHUA Spot 34	390	4756	2.1	16.7326	2.6	0.1573	5.1	0.0191	4.4	0.86	121.9	5.3	148.3	7.0	595.0	55.5	121.9	5.3
Dafov_Mount#4_22Mar-JOSHUA Spot 13	357	83563	3.1	18.9653	1.1	0.2535	2.2	0.0349	1.9	0.86	221.0	4.1	229.4	4.5	317.1	25.9	221.0	4.1
Dafov_Mount#4_22Mar-JOSHUA Spot 15	245	142580	6.7	9.9620	0.7	3.3413	2.7	0.2414	2.6	0.97	1394.0	32.2	1490.8	20.8	1631.1	12.7	1631.1	12.7
Dafov_Mount#4_22Mar-JOSHUA Spot 32	694	505698	23.5	9.8862	0.6	3.8030	2.0	0.2727	1.9	0.95	1554.4	26.1	1593.4	15.9	1645.3	11.0	1645.3	11.0
Dafov_Mount#4_22Mar-JOSHUA Spot 22	967	197348	11.1	9.8728	0.6	3.5287	1.8	0.2527	1.7	0.94	1452.2	21.9	1533.7	14.3	1647.9	11.9	1647.9	11.9
Dafov_Mount#4_22Mar-JOSHUA Spot 12	1093	741296	33.0	9.7533	0.5	3.8639	2.5	0.2733	2.5	0.98	1557.7	34.0	1606.2	20.3	1670.4	9.8	1670.4	9.8
Dafov_Mount#4_22Mar-JOSHUA Spot 21	1154	694338	2.7	9.5823	0.7	3.7586	1.9	0.2612	1.7	0.93	1496.0	23.3	1584.0	15.1	1703.0	13.2	1703.0	13.2
Sample: Granite-Gap																		
Dafov_Mount#4_22Mar-GRANITE GAP Spot 70	8530	32368	4.3	21.1939	0.8	0.0287	1.7	0.0044	1.5	0.89	28.4	0.4	28.8	0.5	58.5	19.2	28.4	0.4
Dafov_Mount#4_22Mar-GRANITE GAP Spot 56	3868	152580	1.8	21.1740	0.7	0.0328	2.1	0.0050	2.0	0.95	32.4	0.7	32.8	0.7	60.8	16.4	32.4	0.7
Dafov_Mount#4_22Mar-GRANITE GAP Spot 49	48	758	0.6	27.2366	7.5	0.0255	8.4	0.0050	3.7	0.45	32.5	1.2	25.6	2.1	577.4	202.8	32.5	1.2
Dafov_Mount#4_22Mar-GRANITE GAP Spot 62	193	1299	2.1	26.3521	3.3	0.0270	4.0	0.0052	2.1	0.54	33.2	0.7	27.1	1.1	488.9	88.6	33.2	0.7
Dafov_Mount#4_22Mar-GRANITE GAP Spot 68	1676	7080	1.8	21.7444	1.3	0.0330	2.1	0.0052	1.6	0.79	33.5	0.5	33.0	0.7	2.9	30.3	33.5	0.5
Dafov_Mount#4_22Mar-GRANITE GAP Spot 64	185	7492	1.7	22.2688	2.9	0.0323	5.3	0.0052	4.4	0.84	33.6	1.5	32.3	1.7	60.7	69.9	33.6	1.5
Dafov_Mount#4_22Mar-GRANITE GAP Spot 58	344	14448	2.0	20.5860	3.5	0.0351	9.6	0.0052	8.9	0.93	33.7	3.0	35.0	3.3	127.5	82.0	33.7	3.0
Dafov_Mount#4_22Mar-GRANITE GAP Spot 48	405	49853	1.0	21.0487	2.3	0.0344	3.3	0.0053	2.4	0.73	33.8	0.8	34.3	1.1	74.9	53.9	33.8	0.8
Dafov_Mount#4_22Mar-GRANITE GAP Spot 63	206	2531	1.8	23.4079	2.6	0.0310	3.6	0.0053	2.5	0.68	33.8	0.8	31.0	1.1	183.8	65.4	33.8	0.8
Dafov_Mount#4_22Mar-GRANITE GAP Spot 46	132	2075	1.0	22.8315	4.8	0.0319	5.4	0.0053	2.5	0.45	34.0	0.8	31.9	1.7	121.9	118.9	34.0	0.8
Dafov_Mount#4_22Mar-GRANITE GAP Spot 69	178	3474	1.3	22.4298	2.9	0.0325	3.9	0.0053	2.5	0.65	34.0	0.9	32.5	1.2	78.3	72.0	34.0	0.9
Dafov_Mount#4_22Mar-GRANITE GAP Spot 50	228	1307	1.5	24.8559	3.4	0.0294	3.9	0.0053	1.8	0.48	34.1	0.6	29.4	1.1	336.0	87.0	34.1	0.6
Dafov_Mount#4_22Mar-GRANITE GAP Spot 54	766	5725	1.3	18.5244	3.5	0.0395	3.9	0.0053	1.6	0.42	34.1	0.6	39.3	1.5	370.3	79.4	34.1	0.6
Dafov_Mount#4_22Mar-GRANITE GAP Spot 65	239	1609	1.2	26.1472	3.8	0.0280	4.4	0.0053	2.1	0.49	34.2	0.7	28.1	1.2	468.2	100.9	34.2	0.7
Dafov_Mount#4_22Mar-GRANITE GAP Spot 61	474	6311	1.7	22.0332	1.8	0.0335	3.3	0.0053	2.8	0.84	34.4	1.0	33.4	1.1	34.9	44.5	34.4	1.0
Dafov_Mount#4_22Mar-GRANITE GAP Spot 57	1112	1232376	3.2	21.2510	1.3	0.0348	2.8	0.0054	2.4	0.88	34.5	0.8	34.8	0.9	52.1	30.9	34.5	0.8
Dafov_Mount#4_22Mar-GRANITE GAP Spot 59	547	4443	1.3	17.3742	4.7	0.0428	5.7	0.0054	3.1	0.55	34.7	1.1	42.6	2.4	512.9	103.6	34.7	1.1
Dafov_Mount#4_22Mar-GRANITE GAP Spot 52	721	8090	1.2	18.8184	2.3	0.0398	3.1	0.0054	2.1	0.67	34.9	0.7	39.6	1.2	334.7	52.7	34.9	0.7
Dafov_Mount#4_22Mar-GRANITE GAP Spot 53	652	4007	1.8	22.5042	4.5	0.0334	4.8	0.0055	1.7	0.35	35.1	0.6	33.4	1.6	86.4	110.3	35.1	0.6
Dafov_Mount#4_22Mar-GRANITE GAP Spot 60	576	5353	1.7	21.6219	1.5	0.0348	2.2	0.0055	1.6	0.74	35.1	0.6	34.7	0.8	10.7	36.4	35.1	0.6
Dafov_Mount#4_22Mar-GRANITE GAP Spot 66	203	1871	1.6	24.6864	2.9	0.0306	3.8	0.0055	2.4	0.65	35.2	0.9	30.6	1.1	318.4	73.9	35.2	0.9
Dafov_Mount#4_22Mar-GRANITE GAP Spot 51	396	3319	1.8	22.6632	5.4	0.0335	5.6	0.0055	1.7	0.30	35.4	0.6	33.5	1.8	103.7	132.0	35.4	0.6
Dafov_Mount#4_22Mar-GRANITE GAP Spot 47	728	12626	1.2	21.0518	1.3	0.0364	2.1	0.0056	1.7	0.80	35.7	0.6	36.3	0.7	74.5	30.0	35.7	0.6
Dafov_Mount#4_22Mar-GRANITE GAP Spot 55	992	15454	1.9	20.7968	1.6	0.0384	2.2	0.0058	1.4	0.66	37.2	0.5	38.3	0.8	103.4	38.3	37.2	0.5

TABLE DR1

Sample: Cochise																		
Dafov_Mount#4_22Mar-COCHISE Spot 27	4126	23480	3.5	21.1325	1.1	0.0235	2.1	0.0036	1.8	0.85	23.2	0.4	23.6	0.5	65.4	25.7	23.2	0.4
Dafov_Mount#4_22Mar-COCHISE Spot 30	965	3777	1.5	21.9507	1.2	0.0243	3.0	0.0039	2.7	0.92	24.9	0.7	24.3	0.7	25.8	28.8	24.9	0.7
Dafov_Mount#4_22Mar-COCHISE Spot 29	218	1249	0.5	26.1837	3.8	0.0207	4.6	0.0039	2.5	0.55	25.3	0.6	20.8	0.9	471.9	101.7	25.3	0.6
Dafov_Mount#4_22Mar-COCHISE Spot 31	150	847	0.7	33.0411	7.3	0.0165	7.8	0.0039	2.6	0.33	25.4	0.7	16.6	1.3	1131.9	223.6	25.4	0.7
Dafov_Mount#4_22Mar-COCHISE Spot 33	601	10638	1.3	21.5611	1.9	0.0253	2.5	0.0040	1.5	0.63	25.4	0.4	25.4	0.6	17.4	46.1	25.4	0.4
Dafov_Mount#4_22Mar-COCHISE Spot 13	1386	7579	0.9	20.7961	1.2	0.0263	2.2	0.0040	1.8	0.83	25.5	0.5	26.3	0.6	103.5	28.3	25.5	0.5
Dafov_Mount#4_22Mar-COCHISE Spot 24	861	19159	0.6	20.3266	1.5	0.0269	2.4	0.0040	1.8	0.76	25.5	0.5	26.9	0.6	157.2	35.8	25.5	0.5
Dafov_Mount#4_22Mar-COCHISE Spot 26	479	12795	1.1	20.3012	2.3	0.0270	2.9	0.0040	1.8	0.60	25.6	0.5	27.1	0.8	160.1	54.9	25.6	0.5
Dafov_Mount#4_22Mar-COCHISE Spot 21	553	5506	1.0	20.6825	3.0	0.0266	3.6	0.0040	1.9	0.53	25.6	0.5	26.6	0.9	116.4	71.5	25.6	0.5
Dafov_Mount#4_22Mar-COCHISE Spot 16	426	2208	0.9	16.6003	5.0	0.0331	5.4	0.0040	2.3	0.42	25.6	0.6	33.1	1.8	612.2	107.0	25.6	0.6
Dafov_Mount#4_22Mar-COCHISE Spot 35	356	1480	0.8	19.9036	4.2	0.0276	4.8	0.0040	2.4	0.49	25.7	0.6	27.7	1.3	206.2	98.0	25.7	0.6
Dafov_Mount#4_22Mar-COCHISE Spot 20	436	3259	1.5	20.8012	2.7	0.0265	3.2	0.0040	1.8	0.55	25.7	0.5	26.5	0.8	102.9	63.9	25.7	0.5
Dafov_Mount#4_22Mar-COCHISE Spot 14	816	4838	1.4	22.2552	1.7	0.0247	2.4	0.0040	1.6	0.69	25.7	0.4	24.8	0.6	59.2	42.2	25.7	0.4
Dafov_Mount#4_22Mar-COCHISE Spot 17	233	2178	0.6	25.1360	2.5	0.0220	3.5	0.0040	2.4	0.70	25.8	0.6	22.1	0.8	365.0	65.5	25.8	0.6
Dafov_Mount#4_22Mar-COCHISE Spot 18	796	13656	0.7	20.0176	1.7	0.0277	2.6	0.0040	2.0	0.78	25.9	0.5	27.8	0.7	193.0	38.6	25.9	0.5
Dafov_Mount#4_22Mar-COCHISE Spot 15	1563	7650	1.9	21.4654	2.0	0.0263	2.7	0.0041	1.8	0.68	26.3	0.5	26.3	0.7	28.1	47.6	26.3	0.5
Dafov_Mount#4_22Mar-COCHISE Spot 32	879	2928	6.9	22.7685	2.0	0.0249	3.8	0.0041	3.3	0.86	26.5	0.9	25.0	0.9	115.1	48.6	26.5	0.9
Dafov_Mount#4_22Mar-COCHISE Spot 28	693	3590	1.0	22.1909	4.8	0.0257	5.2	0.0041	1.8	0.36	26.6	0.5	25.7	1.3	52.2	117.1	26.6	0.5
Dafov_Mount#4_22Mar-COCHISE Spot 25	597	2810	0.7	12.8944	7.8	0.0444	9.0	0.0042	4.4	0.49	26.7	1.2	44.1	3.9	1135.4	155.7	26.7	1.2
Dafov_Mount#4_22Mar-COCHISE Spot 19	142	8253	1.4	21.8410	3.3	0.0267	4.1	0.0042	2.4	0.59	27.2	0.7	26.7	1.1	13.6	79.1	27.2	0.7
Dafov_Mount#4_22Mar-COCHISE Spot 23	94	1105	1.0	6.1687	20.7	0.1037	21.0	0.0046	3.0	0.14	29.8	0.9	100.2	20.0	2477.8	354.1	29.8	0.9
Dafov_Mount#4_22Mar-COCHISE Spot 34	216	4773	1.0	21.8512	2.8	0.0307	3.8	0.0049	2.7	0.69	31.3	0.8	30.7	1.2	14.8	67.1	31.3	0.8
Sample: Dragoon																		
Dafov_Mount#4_22Mar-DRAGOON Spot 48	1531	304589	5.1	20.6522	0.8	0.0555	1.7	0.0083	1.5	0.89	53.4	0.8	54.9	0.9	119.9	18.1	53.4	0.8
Dafov_Mount#4_22Mar-DRAGOON Spot 52	1737	20910	5.5	21.1494	1.0	0.0545	1.9	0.0084	1.6	0.87	53.6	0.9	53.9	1.0	63.5	22.6	53.6	0.9
Dafov_Mount#4_22Mar-DRAGOON Spot 50	789	1915340	2.1	20.6268	1.0	0.0571	1.8	0.0085	1.5	0.83	54.8	0.8	56.4	1.0	122.8	23.6	54.8	0.8
Dafov_Mount#4_22Mar-DRAGOON Spot 56	809	12357	8.3	21.4066	1.0	0.0553	1.7	0.0086	1.4	0.83	55.1	0.8	54.6	0.9	34.7	23.0	55.1	0.8
Dafov_Mount#4_22Mar-DRAGOON Spot 68	294	16815	5.2	20.9349	1.8	0.0571	2.7	0.0087	2.1	0.77	55.6	1.2	56.4	1.5	87.8	41.6	55.6	1.2
Dafov_Mount#4_22Mar-DRAGOON Spot 54	114	2440	3.3	22.9797	2.6	0.0533	3.6	0.0089	2.5	0.69	57.0	1.4	52.7	1.8	137.9	64.0	57.0	1.4
Dafov_Mount#4_22Mar-DRAGOON Spot 47	128	5801	0.9	20.0578	3.0	0.0612	3.9	0.0089	2.5	0.64	57.2	1.4	60.3	2.3	188.3	69.9	57.2	1.4
Dafov_Mount#4_22Mar-DRAGOON Spot 63	193	2111	1.4	24.8597	9.0	0.0497	9.2	0.0090	2.1	0.22	57.5	1.2	49.2	4.4	336.4	232.0	57.5	1.2
Dafov_Mount#4_22Mar-DRAGOON Spot 55	377	5951	3.5	18.3239	2.9	0.0784	8.3	0.0104	7.8	0.94	66.8	5.2	76.6	6.1	394.8	64.0	66.8	5.2
Dafov_Mount#4_22Mar-DRAGOON Spot 67	310	51552	6.7	15.6768	2.1	0.1180	9.1	0.0134	8.8	0.97	85.9	7.5	113.3	9.7	734.6	44.9	85.9	7.5
Dafov_Mount#4_22Mar-DRAGOON Spot 59	379	32099	5.0	11.9286	0.9	0.5874	3.3	0.0508	3.2	0.96	319.5	10.0	469.2	12.5	1288.6	18.3	319.5	10.0
Dafov_Mount#4_22Mar-DRAGOON Spot 69	315	65824	2.8	10.1939	0.6	2.9971	2.1	0.2216	2.0	0.95	1290.2	23.0	1406.9	15.7	1588.3	11.7	1588.3	11.7
Sample: coxcomb																		
Dafov#5_23March2016-COXCOMB Spot 22	917	5138	1.3	21.1680	1.7	0.0726	2.6	0.0111	1.9	0.74	71.5	1.3	71.2	1.8	61.4	41.4	71.5	1.3
Dafov#5_23March2016-COXCOMB Spot 11	621	2693	1.2	21.3160	1.7	0.0731	2.6	0.0113	1.9	0.76	72.4	1.4	71.6	1.8	44.8	40.3	72.4	1.4
Dafov#5_23March2016-COXCOMB Spot 20	380	19850	2.0	20.2913	1.7	0.0772	2.7	0.0114	2.0	0.77	72.8	1.5	75.5	1.9	161.3	40.2	72.8	1.5
Dafov#5_23March2016-COXCOMB Spot 26	282	2644	1.1	20.7001	2.1	0.0762	3.3	0.0114	2.6	0.78	73.4	1.9	74.6	2.4	114.4	48.9	73.4	1.9
Dafov#5_23March2016-COXCOMB Spot 25	263	101984	2.2	19.0924	2.1	0.0837	3.3	0.0116	2.6	0.78	74.3	1.9	81.6	2.6	301.9	47.1	74.3	1.9
Dafov#5_23March2016-COXCOMB Spot 32	491	4471	1.5	21.0943	1.6	0.0758	2.8	0.0116	2.3	0.82	74.3	1.7	74.2	2.0	69.8	38.3	74.3	1.7
Dafov#5_23March2016-COXCOMB Spot 27	334	74631	3.7	19.1850	1.3	0.0834	2.3	0.0116	1.9	0.83	74.4	1.4	81.3	1.8	290.8	29.3	74.4	1.4
Dafov#5_23March2016-COXCOMB Spot 29	909	11680	1.8	20.4643	1.4	0.0793	2.2	0.0118	1.7	0.78	75.5	1.3	77.5	1.6	141.4	32.1	75.5	1.3
Dafov#5_23March2016-COXCOMB Spot 35	938	9958	1.3	20.5645	2.5	0.0792	4.0	0.0118	3.2	0.79	75.7	2.4	77.4	3.0	129.9	57.7	75.7	2.4
Dafov#5_23March2016-COXCOMB Spot 30	291	3497	0.9	16.8793	3.5	0.0967	4.1	0.0118	2.1	0.51	75.8	1.5	93.7	3.6	576.1	76.0	75.8	1.5
Dafov#5_23March2016-COXCOMB Spot 12	489	7711	1.7	19.8737	1.8	0.0825	2.5	0.0119	1.7	0.68	76.2	1.3	80.5	1.9	209.7	42.9	76.2	1.3
Dafov#5_23March2016-COXCOMB Spot 24	457	4840	2.1	19.3178	1.6	0.0851	3.2	0.0119	2.8	0.86	76.4	2.1	83.0	2.6	275.1	37.4	76.4	2.1
Dafov#5_23March2016-COXCOMB Spot 33	400	6604	2.8	20.4819	2.7	0.0804	3.5	0.0119	2.2	0.64	76.5	1.7	78.5	2.6	139.4	62.4	76.5	1.7
Dafov#5_23March2016-COXCOMB Spot 19	268	11734026	0.7	19.5088	2.1	0.0847	2.9	0.0120	2.0	0.69	76.8	1.5	82.6	2.3	252.5	48.2	76.8	1.5
Dafov#5_23March2016-COXCOMB Spot 14	461	98052	1.4	17.7979	1.8	0.0940	2.6	0.0121	1.9	0.72	77.8	1.4	91.3	2.2	459.8	39.5	77.8	1.4
Dafov#5_23March2016-COXCOMB Spot 31	310	125802	1.6	18.8864	2.0	0.0898	2.7	0.0123	1.8	0.66	78.8	1.4	87.3	2.2	326.6	45.1	78.8	1.4
Dafov#5_23March2016-COXCOMB Spot 21	782	102768	1.9	19.9521	1.3	0.0874	2.5	0.0127	2.1	0.85	81.0	1.7	85.1	2.0	200.6	30.3	81.0	1.7
Dafov#5_23March2016-COXCOMB Spot 23	230	37050	3.5	20.2015	2.0	0.0864	3.6	0.0127	2.9	0.83	81.1	2.4	84.2	2.9	171.6	46.6	81.1	2.4
Dafov#5_23March2016-COXCOMB Spot 16	257	5826	2.9	18.6316	2.2	0.0941	3.0	0.0127	2.1	0.69	81.5	1.7	91.4	2.6	357.3	49.4	81.5	1.7
Dafov#5_23March2016-COXCOMB Spot 18	843	11500	1.4	20.7596	1.3	0.0922	2.3	0.0139	1.9	0.83	88.9	1.7	89.6	2.0	107.7	30.1	88.9	1.7
Dafov#5_23March2016-COXCOMB Spot 13	251	2423	0.9	18.3347	3.2	0.1066	4.2	0.0142	2.7	0.65	90.7	2.4	102.9	4.1	393.5	70.9	90.7	2.4
Dafov#5_23March2016-COXCOMB Spot 17	126	257	1.1	4.9326	15.6	0.4384	16.3	0.0157	4.7	0.29	100.3	4.7	369.1	50.5	2848.3	255.9	100.3	4.7
Dafov#5_23March2016-COXCOMB Spot 34	327	70858	1.5	19.4309	1.4	0.1297	3.0	0.0183	2.6	0.88	116.8	3.0	123.9	3.4	261.7	32.7	116.8	3.0
Dafov#5_23March2016-COXCOMB Spot 15	692	44772	1.7	19.6459	1.0	0.1972	2.4	0.0281	2.2	0.91	178.7	3.8	182.8	4.0	236.4	23.0	178.7	3.8
Dafov#5_23March2016-COXCOMB Spot 28	172	18789	2.5	13.6121	0.9	0.4630	3.0	0.0457	2.9	0.95	288.1	8.0	386.4	9.6	1026.8	18.6	288.1	8.0
Sample: cooke																		
Dafov#5_23March2016-COOKE Spot 66	95	1496	0.8	26.4785	4.8	0.0314	5.9	0.0060	3.4	0.57	38.8	1.3	31.4	1.8	501.6	128.7	38.8	1.3
Dafov#5_23March2016-COOKE Spot 53	162	528	0.9	30.1631	3.4	0.0277	4.5	0.0061	2.9	0.65	38.9	1.1	27.7	1.2	861.9	98.3	38.9	1.1
Dafov#5_23March2016-COOKE Spot 70	161	1072	1.0	22.5910	4.3	0.0374	5.5	0.0061	3.5	0.63	39.4	1.4	37.3	2.0	95.9	104.8	39.4	1.4
Dafov#5_23March2016-COOKE Spot 61	158	1955	1.0	23.5963	3.7	0.0358	4.6	0.0061	2.6	0.58	39.4	1.0	35.7	1.6	203.9	93.4	39.4	1.0
Dafov#5_23March2016-COOKE Spot 55	52	584	1.0	28.2056	12.5	0.0300	13.2	0.0061	4.4	0.34	39.5	1.7	30.1	3.9	672.9	345.3	39.5	1.7
Dafov#5_23March2016-COOKE Spot 68	99	1154	1.0	24.0014	5.5	0.0356	7.1	0.0062	4.5	0.63	39.9	1.8	35.5	2.5	246.8	138.9	39.9	1.8
Dafov#5_23March2016-COOKE Spot 64	134	2873	0.9	23.4102	4.3	0.0365	5.7	0.0062	3.7	0.65	39.9	1.5	36.4	2.0	184.1	107.8	39.9	1.5
Dafov#5_23March2016-COOKE Spot 67	79	2159	0.8	21.9439	5.1	0.0412	6.2	0.0065	3.6	0.57	42.1	1.5	41.0	2.5	25.0	124.4	42.1	1.5
Dafov#5_23March2016-COOKE Spot 60	1167	518656	31.8	10.9236	0.6	3.0097	2.0	0.2384	1.9	0.95	1378.6	24.1	1410.1	15.6	1457.9	12.1	1457.9	12.1
Dafov#5_23March2016-COOKE Spot 59	1053	1098638	9.5	10.8747	0.5	2.8128	1.9	0.2218	1.8	0.96	1291.6	21.6	1359.0	14.4	1466.5	10.2	1466.5	10.2
Dafov#5_23March2016-COOKE Spot 65	1271	394031	16.9	10.8684	0.9	2.9859	2.5	0.2354	2.3	0.93	1362.6	28.1	1404.0	18.7	1467.6	16.7	1467.6	16.7
Dafov#5_23March2016-COOKE Spot 63	1032	108153	12.5	10.7944	0.6	2.6099	2.3	0.2043	2.3	0.97	1198.5	24.6	1303.4	17.0	1480.5	10.6	1480.5	10.6
Dafov#5_23March2016-COOKE Spot 58	123	20126	1.7	10.3790	0.7	3.4800	3.0	0.2620	2.9	0.97	1499.8	38.6	1522.7	23.5	1554.6	14.0	1554.6	14.0
Dafov#5_23March2016-COOKE Spot 62	421	259406	1.8	10.1428	0.7	3.5088	2.2	0.2581	2.1	0.95	1480.2	27.8	1529.2	17.4	1597.7	12.3	1597.7	12.3
Dafov#5_23March2016-COOKE Spot 52	183	83883	0.8	9.9539	0.7	3.9076	2.2	0.2821	2.1	0.94	1601.9	29.4	1615.2	17.8	1632.7	13.7	1632.7	13.7
Dafov#5_23March2016-COOKE Spot 57	367	166498	2.9	9.9307	0.5	3.8647	2.3	0.2784	2.2	0.97	1583.1	31.1	1606.3	18.4	1637.0	10.2	1637.0	10.2
Sample: Hueco																		
Dafov#5_23March2016-HUECO Spot 24	190	800	0.5	29.2245	10.0	0.0248	10.4	0.0053	2.8	0.27	33.8	0.9	24.9	2.6	771.9	283.6	33.8	0.9
Dafov#5_23March2016-HUECO Spot 20	96	531	0.6	37.5458	21.5	0.0196	21.7	0.0053	3.2	0.15	34.2	1.1	19.7	4.2	1540.8	727.9	34.2	1.1
Dafov#5_23March2016-HUECO Spot 22	181	1184	0.4	25.1968	10.1	0.0292	10.5	0.0053	2.9	0.27	34.3	1.0	29.2	3.0	371.2	263.4	34.3	1.0
Dafov#5_23March2016-HUECO Spot 17	61	1731	0.7	20.9057	5.5	0.0353	6.8	0.0054	3.9	0.57	34.4	1.3	35.2	2.3	91.1	131.5	34.4	1.3
Dafov#5_23March2016-HUECO Spot 23	102	415	0.6	59.8305	37.1	0.0124	37.3	0.0054	3.3	0.09	34.5	1.1	12.5	4.6	0.0	774.0	34.5	1.1
Dafov#5_23March2016-HUECO Spot 31	169	1048	0.5	26.0050	6.3	0.0285	6.8	0.0054	2.5	0.37	34.6	0.9	28.6	1.9	453.8	165.9	34.6	0.9
Dafov#5_23March2016-HUECO Spot 35	90	1291	0.5	23.0986	6.3	0.0321	7.7	0.0054	4.4	0.57	34.6	1.5	32.1	2.4	150.7	156.8	34.6	1.5
Dafov#5_23March2016-HUECO Spot 28	213	1313	0.6	26.0510	3.2	0.0286	4.4	0.0054	3.0	0.68	34.8	1.0	28.7	1.2	458.4	85.7	34.8	1.0
Dafov#5_23March2016-HUECO Spot 26	393	2623	0.3	22.6995	6.9	0.0330	7.5	0.0054	2.8	0.37	34.9	1.0	33.0	2.4	107.7	170.7	34.9	1.0
Dafov#5_23March2016-HUECO Spot 32	126	408	0.3	30.4990	8.3	0.0246	8.7	0.0054	2.5	0.29	35.0	0.9	24.7	2.1	893.9	241.6	35.0	0.9
Dafov#5_23March2016-HUECO Spot 25	175	783	0.5	31.8172	6.3	0.0236	7.1	0.0055	3.3	0.47	35.1	1.2	23.7	1.7	1018.1	186.9	35.1	1.2
Dafov#5_23March2016-HUECO Spot 27	151	7498	0.4	18.0267	3.8	0.0418	4.5	0.0055	2.4	0.53	35.1	0.8	41.5	1.8	431.3	84.5	35.1	0.8
Dafov#5_23March2016-HUECO Spot 30	165	3658	0.6	21.2735	3.0	0.0355	4.7	0.0055	3.7	0.78	35.2	1.3	35.4	1.6	49.6	71.0	35.2	1.3
Dafov#5_23March2016-HUECO Spot 16	64	451	1.0	59.3564	14.5	0.0127	15.2	0.0055	4.8	0.31	35.2	1.7	12.8	1.9	0.0	1351.3	35.2	1.7
Dafov#5_23March2016-HUECO Spot 18	127	925	0.6	30.4329	3.6	0.0248	4.9	0.0055	3.4	0.68	35.2	1.2	24.9	1.2	887.6	105.1	35.2	1.2
Dafov#5_23March2016-HUECO Spot 29	310	5791	0.7	21.7774	3.0	0.0349	3.7	0.0055	2.2	0.59	35.4	0.8	34.8	1.3	6.6	72.1	35.4	0.8
Dafov#5_23March2016-HUECO Spot 19	169	660	0.4	28.6274	7.4	0.0266	7.9	0.0055	3.0	0.37	35.5	1.0	26.6	2.1	714.1	205.4	35.5	1.0
Dafov#5_23March2016-HUECO Spot 21	150	19739	0.5	19.7889	4.2	0.0385	5.3	0.0055	3.1	0.59	35.5	1.1	38.3	2.0	219.6	98.3	35.5	1.1
Dafov#5_23March2016-HUECO Spot 33	429	930	0.7	29.3673	9.4	0.0260	9.6	0.0055	1.9	0.20	35.6	0.7	26.1	2.5	785.7	266.9	35.6	0.7
Dafov#5_23March2016-HUECO Spot 34	140	10910	0.5	16.0280	3.4	0.0477	4.6	0.0055	3.1	0.68	35.6	1.1	47.3	2.1	687.5	72.1	35.6	1.1
Sample: Reefer																		

Chapman TinReef 23May16-Spot 22_reef	12059	102063	1.7	21.5615	0.8	0.0165	2.4	0.0026	2.2	0.94	16.6	0.4	16.6	0.4	17.3	20.1	16.6	0.4
Chapman TinReef 23May16-Spot 21_reef	4516	266459	1.6	21.0077	1.0	0.0192	2.3	0.0029	2.0	0.89	18.9	0.4	19.3	0.4	79.5	24.6	18.9	0.4
Chapman TinReef 23May16-Spot 16_reef	2925	11463	3.9	21.0103	1.5	0.0202	2.7	0.0031	2.3	0.83	19.9	0.5	20.4	0.6	79.2	36.4	19.9	0.5
Chapman TinReef 23May16-Spot 20_reef	2666	69804	3.3	21.5500	1.0	0.0198	2.6	0.0031	2.4	0.92	19.9	0.5	19.9	0.5	18.7	24.8	19.9	0.5
Chapman TinReef 23May16-Spot 11_reef	2255	49946	4.7	21.1491	1.1	0.0202	2.4	0.0031	2.1	0.89	20.0	0.4	20.3	0.5	63.6	26.0	20.0	0.4
Chapman TinReef 23May16-Spot 14_reef	2261	12422	5.1	21.6051	1.1	0.0201	2.1	0.0031	1.7	0.84	20.3	0.3	20.2	0.4	12.5	27.1	20.3	0.3
Chapman TinReef 23May16-Spot 15_reef	1357	12189	4.5	15.8981	4.0	0.0274	4.7	0.0032	2.4	0.52	20.3	0.5	27.4	1.3	704.9	84.8	20.3	0.5
Chapman TinReef 23May16-Spot 19_reef	2550	9452	4.7	21.8157	1.2	0.0201	2.5	0.0032	2.2	0.88	20.5	0.4	20.2	0.5	10.8	28.9	20.5	0.4
Chapman TinReef 23May16-Spot 12_reef	1650	35776	5.8	20.9617	1.3	0.0210	2.3	0.0032	1.8	0.81	20.5	0.4	21.1	0.5	84.7	31.6	20.5	0.4
Chapman TinReef 23May16-Spot 13_reef	1438	12397	3.6	21.6406	2.1	0.0204	3.1	0.0032	2.3	0.73	20.6	0.5	20.5	0.6	8.6	50.5	20.6	0.5
Chapman TinReef 23May16-Spot 17_reef	1953	47357	4.2	21.0525	1.2	0.0212	2.7	0.0032	2.4	0.89	20.8	0.5	21.3	0.6	74.5	28.5	20.8	0.5
Chapman TinReef 23May16-Spot 18_reef	1010	749	5.6	9.5715	10.7	0.0483	11.4	0.0034	4.0	0.35	21.6	0.9	47.9	5.3	1705.1	197.3	21.6	0.9
Sample: Tinaja																		
Chapman TinReef 23May16-Spot 8_tin	415	11778	1.1	19.1580	2.8	0.0391	3.7	0.0054	2.4	0.65	34.9	0.8	39.0	1.4	294.0	63.9	34.9	0.8
Chapman TinReef 23May16-Spot 4_tin	260	5384	1.7	22.8401	3.2	0.0332	3.9	0.0055	2.2	0.57	35.3	0.8	33.1	1.3	122.9	80.1	35.3	0.8
Chapman TinReef 23May16-Spot 6_tin	286	1785	1.6	25.7504	2.1	0.0298	3.8	0.0056	3.2	0.83	35.8	1.1	29.8	1.1	427.9	55.4	35.8	1.1
Chapman TinReef 23May16-Spot 3_tin	292	2097	2.0	25.1877	2.4	0.0307	3.6	0.0056	2.7	0.75	36.0	1.0	30.7	1.1	370.3	61.3	36.0	1.0
Chapman TinReef 23May16-Spot 5_tin	131	4908	2.6	22.5055	3.4	0.0349	4.5	0.0057	2.9	0.64	36.6	1.0	34.8	1.5	86.6	83.8	36.6	1.0
Chapman TinReef 23May16-Spot 7_tin	20	18251	1.6	13.3239	1.5	1.9369	3.6	0.1872	3.2	0.91	1106.0	33.0	1093.9	23.9	1069.9	29.5	1069.9	29.5
Chapman TinReef 23May16-Spot 10_tin	24	26131	1.6	12.8619	0.8	1.9527	4.1	0.1822	4.0	0.98	1078.7	40.1	1099.4	27.7	1140.5	16.5	1140.5	16.5
Chapman TinReef 23May16-Spot 9_tin	574	3098409	2.2	9.5191	0.6	4.2766	2.1	0.2953	2.0	0.96	1667.7	29.7	1688.9	17.3	1715.2	10.2	1715.2	10.2

*Analyses in red were not included in mean Ep_Hf(t) calculations

Sample	(^{176}Yb + ^{176}Lu) / ^{176}Hf (%)	Volts Hf	$^{176}Hf/^{177}Hf$	± (1σ)	$^{176}Lu/^{177}Hf$	$^{176}Yb/^{177}Hf$	$^{176}Hf/^{177}Hf$ (T)	E-Hf (0)	E-Hf (0) ± (1σ)	E-Hf (T)	Age (Ma)
Sample: UTEP											
DAFOV-UTEP:59	20.2	4.6	0.282620	0.000030	0.001317	0.055549	0.282619	-5.8	1.0	-4.9	46.10
DAFOV-UTEP:33	46.7	3.5	0.282730	0.000038	0.002936	0.124962	0.282728	-1.9	1.4	-1.0	46.20
DAFOV-UTEP:64	17.4	3.8	0.282633	0.000028	0.001242	0.050646	0.282632	-5.4	1.0	-4.4	46.40
DAFOV-UTEP:3	32.2	4.2	0.282570	0.000024	0.001869	0.085494	0.282568	-7.6	0.9	-6.6	46.50
DAFOV-UTEP:83	26.6	3.5	0.282677	0.000033	0.002885	0.111156	0.282674	-3.8	1.2	-2.9	46.60
Sample: JDP											
DAFOV-JDP:103	10.6	5.6	0.282365	0.000024	0.000690	0.024494	0.282364	-14.9	0.8	-13.3	72.00
DAFOV-JDP:53	17.7	5.4	0.282333	0.000024	0.001140	0.050489	0.282332	-16.0	0.8	-14.4	72.00
DAFOV-JDP:22	15.9	4.5	0.282423	0.000029	0.000948	0.040879	0.282422	-12.8	1.0	-11.2	72.00
DAFOV-JDP:51	22.1	4.9	0.282364	0.000029	0.001588	0.071886	0.282362	-14.9	1.0	-13.3	74.00
DAFOV-JDP:95	14.5	6.1	0.282314	0.000021	0.000896	0.039412	0.282313	-16.7	0.7	-15.1	74.00
DAFOV-JDP:25	14.6	4.8	0.281971	0.000028	0.000794	0.032454	0.281950	-28.8	1.0	1.7	1391.00
DAFOV-JDP:49	13.7	4.7	0.281842	0.000031	0.000850	0.036418	0.281815	-33.4	1.1	3.4	1672.00
DAFOV-JDP:19	20.0	4.5	0.281892	0.000028	0.001068	0.046898	0.281858	-31.6	1.0	5.0	1674.00
Sample: Buckeye											
DAFOV-BUCKEYE:45	26.1	5.4	0.282669	0.000026	0.001696	0.070145	0.282669	-4.1	0.9	-3.7	20.00
DAFOV-BUCKEYE:46	49.4	4.2	0.282637	0.000030	0.003000	0.135517	0.282636	-5.2	1.1	-4.8	20.00
DAFOV-BUCKEYE:76	32.9	4.3	0.282694	0.000034	0.002221	0.099590	0.282693	-3.2	1.2	-2.8	20.00
DAFOV-BUCKEYE:6	47.9	3.5	0.282652	0.000032	0.002436	0.112527	0.282652	-4.7	1.1	-4.3	20.00
DAFOV-BUCKEYE:2	38.9	4.5	0.282647	0.000027	0.002151	0.099133	0.282647	-4.9	1.0	-4.4	20.00
DAFOV-BUCKEYE:92	17.3	4.5	0.282669	0.000022	0.001162	0.051315	0.282668	-4.1	0.8	-3.7	21.00
Sample: Prescott											
DAFOV-PRESCOTT:97	10.8	4.1	0.282493	0.000031	0.000807	0.034364	0.282491	-10.3	1.1	-8.7	77.00
DAFOV-PRESCOTT:13	13.0	4.9	0.282455	0.000020	0.000722	0.031146	0.282454	-11.7	0.7	-10.0	79.00
DAFOV-PRESCOTT:24	19.7	3.7	0.282478	0.000019	0.001202	0.053079	0.282476	-10.9	0.7	-9.1	81.00
DAFOV-PRESCOTT:62	9.6	4.0	0.282444	0.000019	0.000588	0.024644	0.282443	-12.0	0.7	-10.3	81.00
DAFOV-PRESCOTT:60	13.3	3.7	0.282503	0.000028	0.000877	0.038169	0.282501	-10.0	1.0	-8.2	82.00
DAFOV-PRESCOTT:26	10.3	4.1	0.281962	0.000026	0.000567	0.023952	0.281944	-29.1	0.9	7.4	1648.00
Sample: Keene											
DAFOV_KEANE_SPOT#: 13	31.6	2.2	0.282942	0.000039	0.001623	0.087895	0.282939	5.5	1.4	7.7	101
DAFOV_KEANE_SPOT#: 12	28.2	2.4	0.282893	0.000032	0.001422	0.077890	0.282891	3.8	1.1	6.0	102
DAFOV_KEANE_SPOT#: 16	41.2	2.1	0.282858	0.000039	0.002611	0.134305	0.282853	2.6	1.4	4.7	102
DAFOV#1_KEANE_SPOT#: 22	22.7	3.1	0.282905	0.000036	0.001236	0.144403	0.282903	4.3	1.3	6.4	102
DAFOV_KEANE_SPOT#: 35	57.5	2.2	0.282733	0.000036	0.002939	0.063623	0.282727	-1.8	1.3	0.2	102
DAFOV#1_KEANE_SPOT#: 21	25.7	2.8	0.282934	0.000034	0.001343	0.071297	0.282931	5.3	1.2	7.4	103
DAFOV#1_KEANE_SPOT#: 32	20.6	3.4	0.282925	0.000029	0.001097	0.056269	0.282923	4.9	1.0	7.2	103
DAFOV#1_KEANE_SPOT#: 29	14.6	3.5	0.282893	0.000037	0.000831	0.041586	0.282891	3.8	1.3	6.1	103
DAFOV#1_KEANE_SPOT#: 30	21.7	3.0	0.282907	0.000038	0.001155	0.060322	0.282905	4.3	1.4	6.5	103
DAFOV#1_KEANE_SPOT#: 25	23.6	3.0	0.282888	0.000034	0.001325	0.068606	0.282885	3.6	1.2	5.8	104
DAFOV#1_KEANE_SPOT#: 27	15.3	2.8	0.282516	0.000030	0.000754	0.041673	0.282510	-9.5	1.1	-1.1	386
DAFOV#1_KEANE_SPOT#: 19	21.1	2.7	0.282131	0.000031	0.001037	0.056709	0.282103	-23.1	1.1	7.6	1409
Sample: S-Barstow											
DAFOV#1_S.BARSTOW_SPOT#: 59	58.6	2.9	0.282622	0.000037	0.003202	0.162573	0.282613	-5.8	1.3	-2.6	159
DAFOV#1_S.BARSTOW_SPOT#: 49	36.7	3.0	0.282502	0.000037	0.001954	0.101702	0.282496	-10.0	1.3	-6.7	160
DAFOV#1_S.BARSTOW_SPOT#: 64	171.5	2.5	0.282635	0.000066	0.009143	0.497117	0.282608	-5.3	2.3	-2.7	161
DAFOV#1_S.BARSTOW_SPOT#: 69	128.1	2.5	0.282504	0.000051	0.006783	0.347805	0.282484	-9.9	1.8	-7.1	161
DAFOV#1_S.BARSTOW_SPOT#: 48	60.4	2.8	0.282555	0.000028	0.003327	0.167833	0.282545	-8.1	1.0	-4.9	162
DAFOV#1_S.BARSTOW_SPOT#: 53	69.7	2.6	0.282487	0.000046	0.003798	0.192590	0.282476	-10.5	1.6	-7.3	162
DAFOV#1_S.BARSTOW_SPOT#: 60	47.4	2.5	0.282486	0.000041	0.002319	0.131578	0.282479	-10.6	1.4	-7.2	162
DAFOV#1_S.BARSTOW_SPOT#: 46	85.9	3.2	0.282512	0.000032	0.004620	0.224081	0.282498	-9.6	1.1	-6.5	163
DAFOV#1_S.BARSTOW_SPOT#: 57	65.9	2.7	0.282546	0.000043	0.003622	0.185878	0.282535	-8.5	1.5	-5.2	164
DAFOV#1_S.BARSTOW_SPOT#: 56	32.0	2.7	0.282396	0.000042	0.001598	0.084842	0.282391	-13.8	1.5	-10.2	166
DAFOV#1_S.BARSTOW_SPOT#: 55	26.5	3.1	0.282047	0.000033	0.001511	0.074690	0.282013	-26.1	1.2	-0.4	1201
Sample: Barstow-T											
DAFOV_BARSTOW-T_SPOT#: 64	17.6	2.5	0.282736	0.000034	0.000859	0.046135	0.282736	-1.7	1.2	-1.3	18
DAFOV_BARSTOW-T_SPOT#: 52	27.1	2.3	0.282681	0.000034	0.001454	0.074972	0.282680	-3.7	1.2	-3.3	18
DAFOV_BARSTOW-T_SPOT#: 53	27.1	2.2	0.282672	0.000035	0.001452	0.074682	0.282672	-4.0	1.2	-3.6	18
DAFOV_BARSTOW-T_SPOT#: 55	21.0	2.8	0.282525	0.000033	0.001089	0.058650	0.282524	-9.2	1.2	-8.8	18
DAFOV_BARSTOW-T_SPOT#: 47	39.8	3.4	0.282539	0.000033	0.002016	0.110780	0.282538	-8.7	1.2	-8.3	19
DAFOV_BARSTOW-T_SPOT#: 62	11.3	2.7	0.282649	0.000045	0.000583	0.030899	0.282649	-4.8	1.6	-4.4	19
DAFOV_BARSTOW-T_SPOT#: 61	45.2	4.0	0.282567	0.000024	0.002244	0.124753	0.282566	-7.7	0.9	-7.3	19
DAFOV_BARSTOW-T_SPOT#: 57	23.5	2.7	0.282694	0.000035	0.001198	0.065576	0.282693	-3.2	1.2	-2.8	19
DAFOV_BARSTOW-T_SPOT#: 50	17.2	2.6	0.282620	0.000032	0.000908	0.047892	0.282618	-5.8	1.1	-3.9	89
DAFOV_BARSTOW-T_SPOT#: 49	22.5	2.7	0.282545	0.000029	0.001226	0.062158	0.282543	-8.5	1.0	-6.3	102
DAFOV_BARSTOW-T_SPOT#: 67	32.2	2.0	0.282537	0.000033	0.001979	0.089927	0.282532	-8.8	1.2	-5.8	143
Sample: Snaggletooth											
DAFOV#1_SNAGG_SPOT#: 16	17.0	2.3	0.282715	0.000029	0.000855	0.047360	0.282715	-2.5	1.0	-2.0	20
DAFOV#1_SNAGG_SPOT#: 32	19.0	2.2	0.282693	0.000036	0.000968	0.052506	0.282692	-3.3	1.3	-2.8	20
DAFOV_#1_SNAGGLE: 25	17.3	1.7	0.282539	0.000042	0.000907	0.048224	0.282539	-8.7	1.5	-8.3	20
DAFOV_#1_SNAGGLE: 18	18.7	2.1	0.282594	0.000036	0.001003	0.052460	0.282593	-6.8	1.3	-6.3	20
DAFOV_#1_SNAGGLE: 31	15.3	1.9	0.282577	0.000033	0.000808	0.042287	0.282576	-7.4	1.2	-6.9	20
DAFOV_#1_SNAGGLE: 21	39.9	1.8	0.282678	0.000049	0.001824	0.107114	0.282677	-3.8	1.7	-3.4	20
DAFOV_#1_SNAGGLE: 29	20.9	2.3	0.282572	0.000047	0.001084	0.058746	0.282572	-7.5	1.7	-7.1	21
DAFOV_#1_SNAGGLE: 20	22.3	2.2	0.282580	0.000032	0.001171	0.062069	0.282579	-7.3	1.1	-6.8	21

DAFOV_#1_SNAGGLE: 19	24.9	2.4	0.282549	0.000025	0.001262	0.069101	0.282548	-8.4	0.9	-7.9	21
DAFOV_#1_SNAGGLE: 35	19.6	2.2	0.282581	0.000040	0.001001	0.055342	0.282581	-7.2	1.4	-6.8	21
Sample: Finger											
DAFOV#2_FINGER_SPOT: 23	34.2	2.4	0.282335	0.000041	0.001994	0.102228	0.282328	-15.9	1.4	-12.4	169
DAFOV#2_FINGER_SPOT: 25	13.6	2.7	0.282389	0.000033	0.000759	0.037335	0.282387	-14.0	1.2	-10.3	169
DAFOV#2_FINGER_SPOT: 19	43.0	2.4	0.282420	0.000031	0.002430	0.121097	0.282412	-12.9	1.1	-9.4	170
DAFOV#2_FINGER_SPOT: 26	21.3	2.2	0.282477	0.000041	0.001226	0.059104	0.282473	-10.9	1.4	-7.3	170
DAFOV#2_FINGER_SPOT: 20	14.0	2.7	0.282403	0.000033	0.001223	0.061120	0.282399	-13.5	1.2	-9.9	170
DAFOV#2_FINGER_SPOT: 35	36.0	2.5	0.282402	0.000037	0.001932	0.100124	0.282396	-13.5	1.3	-10.0	170
DAFOV#2_FINGER_SPOT: 16	45.8	2.1	0.282402	0.000033	0.002464	0.127578	0.282394	-13.5	1.2	-10.0	171
DAFOV#2_FINGER_SPOT: 21	25.7	2.4	0.282479	0.000040	0.001373	0.071626	0.282474	-10.8	1.4	-7.2	171
DAFOV#2_FINGER_SPOT: 33	44.3	2.2	0.282400	0.000041	0.002395	0.122791	0.282392	-13.6	1.5	-10.1	171
DAFOV#2_FINGER_SPOT: 24	48.0	1.9	0.282440	0.000038	0.002539	0.132887	0.282432	-12.2	1.3	-8.7	172
Sample: Hope											
DAFOV#2_HOPE_SPOT: 59	22.5	2.6	0.282420	0.000030	0.001377	0.062605	0.282418	-12.9	1.1	-11.4	72
DAFOV#2_HOPE_SPOT: 70	18.6	2.7	0.282324	0.000032	0.001211	0.052241	0.282323	-16.3	1.1	-14.7	72
DAFOV#2_HOPE_SPOT: 58	26.1	2.7	0.282436	0.000034	0.001604	0.072611	0.282434	-12.3	1.2	-10.8	73
DAFOV#2_HOPE_SPOT: 47	30.1	2.8	0.282455	0.000032	0.001789	0.082942	0.282452	-11.7	1.1	-10.1	74
DAFOV#2_HOPE_SPOT: 46	12.5	2.3	0.282401	0.000042	0.000789	0.035684	0.282400	-13.6	1.5	-12.0	74
DAFOV#2_HOPE_SPOT: 62	31.3	2.3	0.282506	0.000046	0.001830	0.085462	0.282503	-9.9	1.6	-8.3	74
DAFOV#2_HOPE_SPOT: 49	38.0	2.4	0.282449	0.000041	0.002112	0.098568	0.282446	-11.9	1.4	-10.3	74
DAFOV#2_HOPE_SPOT: 54	14.0	2.5	0.282462	0.000032	0.000865	0.039103	0.282461	-11.4	1.1	-9.8	74
DAFOV#2_HOPE_SPOT: 55	9.4	2.7	0.282383	0.000036	0.000608	0.025835	0.282382	-14.2	1.3	-12.6	74
DAFOV#2_HOPE_SPOT: 63	13.3	3.5	0.282445	0.000032	0.000936	0.037010	0.282443	-12.0	1.1	-10.4	74
Sample: Riverside											
DAFOV#2_RIVERSIDE_SPOT: 16	22.1	2.8	0.282613	0.000037	0.001411	0.061139	0.282610	-6.1	1.3	-4.0	100
DAFOV#2_RIVERSIDE_SPOT: 27	31.7	2.5	0.282382	0.000041	0.001887	0.088449	0.282378	-14.3	1.5	-12.2	100
DAFOV#2_RIVERSIDE_SPOT: 25	21.7	2.8	0.282388	0.000035	0.001327	0.059995	0.282385	-14.0	1.2	-11.9	100
DAFOV#2_RIVERSIDE_SPOT: 19	32.2	2.5	0.282598	0.000045	0.002002	0.089095	0.282595	-6.6	1.6	-4.5	100
DAFOV#2_RIVERSIDE_SPOT: 21	29.6	2.9	0.282618	0.000027	0.001881	0.081629	0.282614	-5.9	0.9	-3.8	100
DAFOV#2_RIVERSIDE_SPOT: 32	15.6	3.2	0.282546	0.000027	0.001014	0.043290	0.282544	-8.5	1.0	-6.3	101
DAFOV#2_RIVERSIDE_SPOT: 14	32.5	2.9	0.282592	0.000037	0.002025	0.089703	0.282588	-6.8	1.3	-4.7	101
DAFOV#2_RIVERSIDE_SPOT: 13	27.1	2.8	0.282666	0.000030	0.001747	0.074948	0.282663	-4.2	1.0	-2.1	100
DAFOV#2_RIVERSIDE_SPOT: 23	22.0	2.9	0.282567	0.000032	0.001465	0.060698	0.282565	-7.7	1.1	-5.5	102
DAFOV#2_RIVERSIDE_SPOT: 31	32.6	2.5	0.281788	0.000043	0.001765	0.092182	0.281732	-35.3	1.5	0.1	1655
DAFOV#2_RIVERSIDE_SPOT: 22	16.4	2.9	0.281817	0.000036	0.000881	0.045901	0.281789	-34.2	1.3	2.1	1657
DAFOV#2_RIVERSIDE_SPOT: 30	12.4	2.8	0.281857	0.000030	0.000652	0.033512	0.281837	-32.8	1.1	3.9	1663
Sample: Strawberry											
DAFOV#2_STRAWBERRY_SPOT: 59	98.7	1.8	0.282422	0.000069	0.005003	0.274167	0.282408	-12.8	2.4	-10.0	149
DAFOV#2_STRAWBERRY_SPOT: 69	22.3	2.4	0.282465	0.000033	0.001236	0.062254	0.282461	-11.3	1.2	-8.1	149
DAFOV#2_STRAWBERRY_SPOT: 62	31.6	2.5	0.282473	0.000039	0.001735	0.088867	0.282468	-11.0	1.4	-7.8	153
DAFOV#2_STRAWBERRY_SPOT: 68	34.1	2.6	0.282421	0.000035	0.001811	0.094949	0.282416	-12.9	1.2	-9.7	149
DAFOV#2_STRAWBERRY_SPOT: 46	39.6	2.2	0.282374	0.000044	0.002048	0.105258	0.282368	-14.5	1.6	-11.4	150
DAFOV#2_STRAWBERRY_SPOT: 63	29.3	1.8	0.282478	0.000036	0.001597	0.080889	0.282474	-10.9	1.3	-7.7	150
DAFOV#2_STRAWBERRY_SPOT: 51	40.2	2.3	0.282341	0.000044	0.002095	0.110872	0.282335	-15.7	1.6	-12.6	151
DAFOV#2_STRAWBERRY_SPOT: 61	24.3	2.8	0.282464	0.000036	0.001391	0.066772	0.282460	-11.4	1.3	-8.2	151
DAFOV#2_STRAWBERRY_SPOT: 47	73.3	1.7	0.282436	0.000056	0.004017	0.206928	0.282424	-12.3	2.0	-9.4	151
DAFOV#2_STRAWBERRY_SPOT: 55	45.5	1.5	0.282382	0.000051	0.002357	0.126233	0.282375	-14.2	1.8	-11.1	152
Sample: Cochise											
DAFOV#4_COCHISE_SPOT: 33	43.0	2.4	0.282563	0.000036	0.002137	0.119501	0.282562	-7.8	1.3	-7.3	25
DAFOV#4_COCHISE_SPOT: 13	65.6	2.9	0.282561	0.000036	0.003230	0.181635	0.282559	-7.9	1.3	-7.4	26
DAFOV#4_COCHISE_SPOT: 24	51.0	2.0	0.282534	0.000042	0.002490	0.141741	0.282532	-8.9	1.5	-8.4	26
DAFOV#4_COCHISE_SPOT: 18	50.7	2.4	0.282583	0.000046	0.002533	0.140786	0.282582	-7.1	1.6	-6.6	26
DAFOV#4_COCHISE_SPOT: 21	35.2	2.6	0.282560	0.000033	0.001901	0.097778	0.282559	-7.9	1.2	-7.4	26
DAFOV#4_COCHISE_SPOT: 16	45.6	2.3	0.282564	0.000034	0.002243	0.126807	0.282563	-7.8	1.2	-7.3	26
DAFOV#4_COCHISE_SPOT: 35	34.9	2.0	0.282602	0.000042	0.001763	0.098124	0.282601	-6.5	1.5	-5.9	26
DAFOV#4_COCHISE_SPOT: 15	57.1	2.8	0.282591	0.000037	0.002867	0.153871	0.282590	-6.9	1.3	-6.3	26
DAFOV#4_COCHISE_SPOT: 31	45.1	1.9	0.282493	0.000045	0.002314	0.125785	0.282492	-10.3	1.6	-9.8	25
DAFOV#4_COCHISE_SPOT: 17	33.0	2.1	0.282637	0.000047	0.001691	0.093354	0.282636	-5.2	1.7	-4.7	26
Sample: dragoon											
DAFOV#4_DRAGOON_SPOT: 50	58.7	2.3	0.282438	0.000036	0.002792	0.165971	0.282436	-12.3	1.3	-11.1	55
DAFOV#4_DRAGOON_SPOT: 56	38.4	2.9	0.282403	0.000031	0.001823	0.104916	0.282401	-13.5	1.1	-12.4	55
DAFOV#4_DRAGOON_SPOT: 68	48.3	2.9	0.282490	0.000040	0.002603	0.134363	0.282488	-10.4	1.4	-9.3	56
DAFOV#4_DRAGOON_SPOT: 54	12.9	2.4	0.282455	0.000036	0.000662	0.036096	0.282454	-11.7	1.3	-10.4	57
DAFOV#4_DRAGOON_SPOT: 52	66.9	2.7	0.282292	0.000048	0.003628	0.193260	0.282288	-17.4	1.7	-16.4	54
DAFOV#4_DRAGOON_SPOT: 63	35.6	3.0	0.282381	0.000035	0.001618	0.098323	0.282379	-14.3	1.2	-13.1	58
DAFOV#4_DRAGOON_SPOT: 55	28.1	2.5	0.282205	0.000037	0.001398	0.078089	0.282203	-20.5	1.3	-19.1	67
DAFOV#4_DRAGOON_SPOT: 67	26.6	2.3	0.282082	0.000044	0.001210	0.067392	0.282080	-24.9	1.5	-23.0	86
DAFOV#4_DRAGOON_SPOT: 59	23.1	2.9	0.282291	0.000035	0.001220	0.064236	0.282283	-17.5	1.2	-10.6	320
DAFOV#4_DRAGOON_SPOT: 69	26.3	2.4	0.282229	0.000041	0.001491	0.072471	0.282184	-19.7	1.5	14.6	1588
Sample: Granite-Gap											
DAFOV#4_GRANITEGAP_SPOT: 63	26.9	1.2	0.282572	0.000042	0.001277	0.063084	0.282571	-7.5	1.5	-6.8	34
DAFOV#4_GRANITEGAP_SPOT: 46	31.3	2.1	0.282516	0.000037	0.001688	0.086954	0.282515	-9.5	1.3	-8.8	34
DAFOV#4_GRANITEGAP_SPOT: 69	17.3	2.4	0.282483	0.000037	0.000941	0.047978	0.282482	-10.7	1.3	-9.9	34
DAFOV#4_GRANITEGAP_SPOT: 48	21.0	2.6	0.282452	0.000034	0.001185	0.058506	0.282451	-11.8	1.2	-11.1	34
DAFOV#4_GRANITEGAP_SPOT: 54	31.1	2.8	0.282498	0.000037	0.001949	0.086664	0.282497	-10.1	1.3	-9.4	34
DAFOV#4_GRANITEGAP_SPOT: 65	53.5	2.2	0.282411	0.000047	0.002837	0.147043	0.282409	-13.2	1.7	-12.5	34
DAFOV#4_GRANITEGAP_SPOT: 61	22.3	2.6	0.282535	0.000034	0.001309	0.062472	0.282535	-8.8	1.2	-8.1	34
DAFOV#4_GRANITEGAP_SPOT: 57	41.7	3.0	0.282468	0.000037	0.002288	0.107162	0.282467	-11.2	1.3	-10.5	35

DAFOV#4_GRANITEGAP_SPOT: 59	33.7	2.4	0.282551	0.000031	0.001861	0.092971	0.282550	-8.3	1.1	-7.5	35
DAFOV#4_GRANITEGAP_SPOT: 52	34.9	2.5	0.282539	0.000044	0.002009	0.097721	0.282537	-8.7	1.5	-8.0	35
Sample: Joshua											
DAFOV#4_JOSHUA_SPOT: 33	85.3	3.3	0.282088	0.000052	0.003990	0.217784	0.282083	-24.6	1.8	-23.2	72
DAFOV#4_JOSHUA_SPOT: 29	9.8	3.1	0.282464	0.000037	0.000622	0.027424	0.282463	-11.4	1.3	-9.8	73
DAFOV#4_JOSHUA_SPOT: 19	7.7	3.0	0.282446	0.000029	0.000459	0.021551	0.282446	-12.0	1.0	-10.4	74
DAFOV#4_JOSHUA_SPOT: 26	17.3	2.6	0.282397	0.000033	0.001016	0.048220	0.282395	-13.7	1.2	-12.0	80
DAFOV#4_JOSHUA_SPOT: 17	12.4	2.8	0.282112	0.000030	0.000673	0.034919	0.282111	-23.8	1.1	-21.3	113
DAFOV#4_JOSHUA_SPOT: 34	24.1	2.4	0.282408	0.000037	0.001316	0.067539	0.282405	-13.3	1.3	-10.8	122
DAFOV#4_JOSHUA_SPOT: 13	34.5	2.9	0.282178	0.000040	0.002116	0.095121	0.282170	-21.5	1.4	-16.9	221
DAFOV#4_JOSHUA_SPOT: 15	19.5	2.6	0.281970	0.000046	0.000994	0.051465	0.281940	-28.8	1.6	6.9	1631
DAFOV#4_JOSHUA_SPOT: 32	9.6	3.0	0.281765	0.000048	0.000552	0.029568	0.281748	-36.1	1.7	0.4	1645
DAFOV#4_JOSHUA_SPOT: 22	28.0	3.1	0.281811	0.000034	0.001578	0.077255	0.281761	-34.5	1.2	0.9	1648
DAFOV#4_JOSHUA_SPOT: 12	34.8	3.0	0.281754	0.000044	0.001783	0.093187	0.281698	-36.4	1.5	-0.8	1670
DAFOV#4_JOSHUA_SPOT: 21	48.3	2.8	0.282041	0.000035	0.002495	0.128209	0.281960	-26.3	1.2	9.3	1703
Sample: Quartzite											
DAFOV_#1_QUARTZITE: 70	26.8	2.6	0.282388	0.000035	0.001503	0.074612	0.282383	-14.0	1.2	-10.6	164
DAFOV_#1_QUARTZITE: 68	18.1	3.9	0.282349	0.000031	0.001232	0.050012	0.282345	-15.4	1.1	-11.9	164
DAFOV_#1_QUARTZITE: 63	54.2	2.0	0.282445	0.000049	0.002910	0.151472	0.282436	-12.0	1.7	-8.7	164
DAFOV_#1_QUARTZITE: 50	38.1	3.3	0.282382	0.000027	0.002242	0.103443	0.282375	-14.3	0.9	-10.9	163
DAFOV_#1_QUARTZITE: 69	20.9	3.5	0.282370	0.000031	0.001283	0.057741	0.282367	-14.7	1.1	-11.2	163
DAFOV_#1_QUARTZITE: 61	42.3	3.1	0.282365	0.000033	0.002461	0.118075	0.282357	-14.9	1.2	-11.5	165
DAFOV_#1_QUARTZITE: 67	25.2	2.3	0.282350	0.000047	0.001323	0.069937	0.282346	-15.4	1.6	-11.9	165
DAFOV_#1_QUARTZITE: 48	23.1	2.2	0.282437	0.000058	0.001474	0.070924	0.282432	-12.3	2.1	-8.8	166
DAFOV_#1_QUARTZITE: 55	29.6	3.2	0.282443	0.000031	0.001806	0.086051	0.282437	-12.1	1.1	-8.6	167
DAFOV_#1_QUARTZITE: 66	9.2	2.6	0.282386	0.000029	0.000547	0.026202	0.282384	-14.1	1.0	-10.5	167
Sample: Cooke											
DAFOV_#5_COOKE: 70	23.3	2.6	0.282472	0.000037	0.001325	0.064861	0.282472	-11.1	1.3	-10.2	39
DAFOV_#5_COOKE: 61	30.3	2.5	0.282504	0.000042	0.001657	0.083954	0.282503	-9.9	1.5	-9.1	39
DAFOV_#5_COOKE: 55	6.5	2.2	0.282602	0.000037	0.000399	0.018195	0.282602	-6.5	1.3	-5.6	40
DAFOV_#5_COOKE: 68	6.8	2.6	0.282583	0.000037	0.000423	0.019063	0.282582	-7.2	1.3	-6.3	40
DAFOV_#5_COOKE: 64	15.4	2.5	0.282544	0.000039	0.000899	0.042514	0.282544	-8.5	1.4	-7.6	40
DAFOV_#5_COOKE: 65	25.6	2.5	0.282102	0.000034	0.001387	0.071474	0.282063	-24.2	1.2	7.5	1468
DAFOV_#5_COOKE: 63	25.5	2.7	0.282053	0.000030	0.001341	0.071603	0.282016	-25.9	1.1	6.1	1481
DAFOV_#5_COOKE: 58	23.4	2.3	0.282061	0.000032	0.001247	0.064511	0.282024	-25.6	1.1	8.1	1555
DAFOV_#5_COOKE: 62	20.6	2.5	0.282086	0.000041	0.001104	0.056636	0.282053	-24.7	1.4	10.1	1598
DAFOV_#5_COOKE: 52	43.9	1.9	0.282190	0.000045	0.002341	0.121685	0.282118	-21.0	1.6	13.2	1633
DAFOV_#5_COOKE: 57	22.6	2.8	0.282019	0.000033	0.001249	0.062735	0.281981	-27.1	1.2	8.5	1637
Sample: Coxcomb											
DAFOV_#5_COXCOMB: 25	9.1	2.5	0.282439	0.000031	0.000817	0.026087	0.282438	-12.2	1.1	-10.6	74
DAFOV_#5_COXCOMB: 27	7.1	3.0	0.282371	0.000027	0.000474	0.019526	0.282371	-14.6	1.0	-13.0	74
DAFOV_#5_COXCOMB: 29	9.2	3.2	0.282526	0.000032	0.000673	0.025947	0.282525	-9.2	1.1	-7.5	76
DAFOV_#5_COXCOMB: 30	17.5	1.6	0.282449	0.000062	0.001280	0.046487	0.282448	-11.9	2.2	-10.2	76
DAFOV_#5_COXCOMB: 12	9.5	2.3	0.282416	0.000038	0.000739	0.026282	0.282415	-13.1	1.4	-11.4	76
DAFOV_#5_COXCOMB: 24	21.9	4.0	0.282407	0.000033	0.001248	0.059452	0.282405	-13.4	1.2	-11.7	76
DAFOV_#5_COXCOMB: 33	39.9	4.4	0.282477	0.000033	0.002112	0.107185	0.282474	-10.9	1.2	-9.3	77
DAFOV_#5_COXCOMB: 19	16.7	3.8	0.282344	0.000025	0.001150	0.044877	0.282342	-15.6	0.9	-14.0	77
DAFOV_#5_COXCOMB: 18	10.9	3.9	0.282496	0.000025	0.000744	0.030423	0.282495	-10.2	0.9	-8.3	89
DAFOV_#5_COXCOMB: 13	10.6	2.9	0.282496	0.000029	0.000630	0.029376	0.282495	-10.2	1.0	-8.2	91
DAFOV_#5_COXCOMB: 34	11.5	2.6	0.282384	0.000040	0.000636	0.032011	0.282383	-14.2	1.4	-11.6	117
DAFOV_#5_COXCOMB: 15	16.7	2.6	0.282369	0.000031	0.001162	0.045631	0.282365	-14.7	1.1	-10.9	179
Sample: Hueco											
DAFOV_#5_HUECO: 22	74.1	1.5	0.282667	0.000047	0.003694	0.206875	0.282664	-4.2	1.7	-3.5	34
DAFOV_#5_HUECO: 17	40.8	1.3	0.282727	0.000053	0.002092	0.113431	0.282726	-2.0	1.9	-1.3	34
DAFOV_#5_HUECO: 23	42.2	1.5	0.282697	0.000047	0.002121	0.117090	0.282696	-3.1	1.7	-2.4	35
DAFOV_#5_HUECO: 31	59.9	1.6	0.282825	0.000051	0.002957	0.166278	0.282823	1.4	1.8	2.1	35
DAFOV_#5_HUECO: 35	52.6	1.6	0.282759	0.000048	0.002658	0.146325	0.282757	-0.9	1.7	-0.2	35
DAFOV_#5_HUECO: 28	67.1	1.9	0.282783	0.000038	0.003312	0.186524	0.282781	-0.1	1.3	0.6	35
DAFOV_#5_HUECO: 26	66.5	1.5	0.282716	0.000062	0.003755	0.188302	0.282714	-2.4	2.2	-1.7	35
DAFOV_#5_HUECO: 32	67.9	1.5	0.282640	0.000050	0.003447	0.188577	0.282638	-5.1	1.8	-4.4	35
Sample: Rosamond											
DAFOV_ROSAMOND_SPOT#: 23	6.4	3.3	0.282585	0.000028	0.000411	0.017726	0.282584	-7.1	1.0	-5.2	87
DAFOV_ROSAMOND_SPOT#: 33	4.9	3.3	0.282516	0.000030	0.000316	0.013572	0.282515	-9.5	1.1	-7.6	87
DAFOV_ROSAMOND_SPOT#: 13	19.4	3.3	0.282540	0.000035	0.001117	0.053453	0.282538	-8.7	1.2	-6.8	88
DAFOV_ROSAMOND_SPOT#: 18	16.1	2.8	0.282661	0.000027	0.000817	0.044690	0.282660	-4.4	1.0	-2.5	88
DAFOV_ROSAMOND_SPOT#: 31	14.8	3.4	0.282535	0.000030	0.000797	0.040910	0.282533	-8.8	1.1	-6.9	89
DAFOV_ROSAMOND_SPOT#: 16	15.7	3.2	0.282574	0.000026	0.000982	0.043921	0.282572	-7.5	0.9	-5.5	90
DAFOV_ROSAMOND_SPOT#: 30	13.8	3.4	0.282669	0.000027	0.000730	0.038315	0.282667	-4.1	1.0	-2.2	90
DAFOV_ROSAMOND_SPOT#: 32	10.1	2.8	0.282619	0.000029	0.000540	0.028059	0.282618	-5.9	1.0	-3.9	90
DAFOV_ROSAMOND_SPOT#: 22	8.6	3.4	0.282633	0.000030	0.000470	0.023769	0.282632	-5.4	1.1	-3.4	91
DAFOV_ROSAMOND_SPOT#: 35	15.2	3.1	0.282110	0.000034	0.000775	0.044114	0.282090	-23.9	1.2	6.1	1364
DAFOV_ROSAMOND_SPOT#: 27	28.7	3.7	0.281953	0.000041	0.002279	0.110772	0.281887	-29.4	1.4	2.5	1521
DAFOV_ROSAMOND_SPOT#: 28	25.5	3.6	0.282141	0.000040	0.001663	0.070179	0.282088	-22.8	1.4	13.1	1673
Sample: Granite-Mtn											
DAFOV_GRANITE MTN_SPOT#: 25	20.3	3.6	0.282355	0.000025	0.000981	0.055992	0.282354	-15.2	0.9	-13.7	70
DAFOV_GRANITE MTN_SPOT#: 21	22.9	4.0	0.282437	0.000018	0.001226	0.064021	0.282436	-12.3	0.7	-10.8	71
DAFOV_GRANITE MTN_SPOT#: 19	16.6	3.6	0.282364	0.000025	0.000965	0.046150	0.282363	-14.9	0.9	-13.3	71
DAFOV_GRANITE MTN_SPOT#: 14	16.7	3.7	0.282412	0.000027	0.000995	0.046792	0.282411	-13.2	1.0	-11.6	71
DAFOV_GRANITE MTN_SPOT#: 6	20.2	3.5	0.282400	0.000034	0.001117	0.054130	0.282399	-13.6	1.2	-12.1	72

DAFOV_GRANITE MTN_SPOT#: 8	9.6	3.4	0.282382	0.000026	0.000624	0.025821	0.282381	-14.2	0.9	-12.7	72
DAFOV_GRANITE MTN_SPOT#: 11	11.7	3.9	0.282416	0.000022	0.000655	0.032487	0.282416	-13.0	0.8	-11.5	72
DAFOV_GRANITE MTN_SPOT#: 23	10.9	3.4	0.282410	0.000028	0.000648	0.030391	0.282409	-13.3	1.0	-11.7	73
DAFOV_GRANITE MTN_SPOT#: 9	23.7	2.1	0.282376	0.000044	0.001199	0.064819	0.282374	-14.5	1.5	-12.9	74
DAFOV_GRANITE MTN_SPOT#: 20	11.8	3.6	0.282161	0.000026	0.000634	0.032535	0.282144	-22.1	0.9	9.3	1421
DAFOV_GRANITE MTN_SPOT#: 1	9.3	3.2	0.282014	0.000034	0.000497	0.024459	0.282000	-27.3	1.2	4.3	1427
DAFOV_GRANITE MTN_SPOT#: 10	30.9	2.7	0.282003	0.000028	0.001590	0.087311	0.281954	-27.6	1.0	7.1	1617
DAFOV_GRANITE MTN_SPOT#: 4	28.3	4.0	0.282007	0.000033	0.001482	0.078305	0.281961	-27.5	1.2	7.8	1640
Sample: Yucca											
DAFOV_YUCCA_SPOT#: 52	35.7	3.5	0.282401	0.000029	0.001644	0.089121	0.282399	-13.6	1.0	-12.0	74
DAFOV_YUCCA_SPOT#: 53	52.4	3.3	0.282519	0.000032	0.002618	0.146584	0.282516	-9.4	1.1	-7.9	75
DAFOV_YUCCA_SPOT#: 36	24.7	2.9	0.282529	0.000031	0.001257	0.063828	0.282528	-9.0	1.1	-7.4	76
DAFOV_YUCCA_SPOT#: 46	17.1	3.1	0.282578	0.000034	0.000918	0.048321	0.282577	-7.3	1.2	-5.7	76
DAFOV_YUCCA_SPOT#: 58	15.6	2.9	0.282526	0.000032	0.000814	0.043325	0.282525	-9.2	1.1	-7.5	77
DAFOV_YUCCA_SPOT#: 54	34.2	3.8	0.282547	0.000033	0.001419	0.079688	0.282545	-8.4	1.2	-6.8	77
DAFOV_YUCCA_SPOT#: 51	23.1	2.5	0.282504	0.000034	0.000985	0.053096	0.282502	-10.0	1.2	-8.3	78
DAFOV_YUCCA_SPOT#: 42	21.6	3.1	0.282437	0.000025	0.001117	0.060342	0.282436	-12.3	0.9	-10.6	79
DAFOV_YUCCA_SPOT#: 48	23.3	3.2	0.282491	0.000028	0.001269	0.065599	0.282488	-10.4	1.0	-8.3	97
DAFOV_YUCCA_SPOT#: 38	17.6	2.6	0.282560	0.000037	0.000989	0.049617	0.282558	-7.9	1.3	-4.8	144
DAFOV_YUCCA_SPOT#: 37	10.1	3.4	0.281777	0.000026	0.000524	0.028586	0.281775	-35.7	0.9	-31.9	173
DAFOV_YUCCA_SPOT#: 50	20.1	3.6	0.282437	0.000025	0.001079	0.055022	0.282433	-12.3	0.9	-8.2	191
DAFOV_YUCCA_SPOT#: 55	20.7	3.1	0.282289	0.000025	0.001172	0.057120	0.282284	-17.5	0.9	-12.5	234
DAFOV_YUCCA_SPOT#: 44	31.5	3.3	0.281841	0.000032	0.001745	0.085881	0.281786	-33.4	1.1	1.8	1648
DAFOV_YUCCA_SPOT#: 43	9.9	3.3	0.281686	0.000030	0.000559	0.027055	0.281668	-38.9	1.0	-1.5	1688
Sample: Ajo											
MIZER_AJO1309:1C	18.3	2.3	0.2824942	0.0000340	0.0016834		0.2824921	-10.3	1.2	-8.9	68
MIZER_AJO1309:1R	9.5	2.9	0.2824698	0.0000307	0.0007129		0.2824689	-11.1	1.1	-9.7	66
MIZER_AJO1309:2C	12.1	2.7	0.2825016	0.0000323	0.0008782		0.2825005	-10.0	1.1	-8.5	68
MIZER_AJO1309:2R	7.1	2.9	0.2825046	0.0000242	0.0005332		0.2825039	-9.9	0.9	-8.4	69
MIZER_AJO1309:4C	10.4	2.8	0.2824670	0.0000290	0.0010261		0.2824657	-11.2	1.0	-9.8	68
MIZER_AJO1309:4R	9.0	2.8	0.2825211	0.0000267	0.0006940		0.2825202	-9.3	0.9	-7.9	68
MIZER_AJO1309:11R	9.0	2.8	0.2825157	0.0000285	0.0006724		0.2825148	-9.5	1.0	-8.1	67
MIZER_AJO1309:5C	9.5	2.6	0.2825210	0.0000284	0.0008176		0.2825199	-9.3	1.0	-7.8	69
Sample: Chino											
MIZER_CMD16:15C	17.9	2.8	0.2826146	0.0000310	0.0013211		0.2826131	-6.0	1.1	-4.8	59
MIZER_CMD16:15R	11.8	2.9	0.2826477	0.0000261	0.0009263		0.2826467	-4.9	0.9	-3.6	59
MIZER_CMD16:14C	11.3	2.9	0.2826328	0.0000337	0.0009881		0.2826317	-5.4	1.2	-4.1	60
MIZER_CMD16:14R	9.0	3.1	0.2826447	0.0000347	0.0007664		0.2826439	-5.0	1.2	-3.7	59
MIZER_CMD16:5C	16.5	2.8	0.2825922	0.0000289	0.0013659		0.2825907	-6.8	1.0	-5.6	60
MIZER_CMD16:5R	12.3	2.9	0.2826383	0.0000328	0.0009205		0.2826372	-5.2	1.2	-3.8	63
MIZER_CMD16:3C	17.8	2.9	0.2827041	0.0000258	0.0014166		0.2827025	-2.9	0.9	-1.6	59
MIZER_CMD16:3R	11.7	2.9	0.2826239	0.0000301	0.0008830		0.2826229	-5.7	1.1	-4.4	59
MIZER_CMD16:2C	16.7	2.7	0.2826101	0.0000341	0.0013609		0.2826086	-6.2	1.2	-4.9	60
MIZER_CMD16:2R	11.0	2.6	0.2826619	0.0000305	0.0008380		0.2826610	-4.4	1.1	-3.1	58
MIZER_CMD16:1C	13.7	2.5	0.2826209	0.0000324	0.0012199		0.2826195	-5.8	1.1	-4.5	59
MIZER_CMD16:1R	9.1	2.9	0.2826605	0.0000320	0.0006871		0.2826597	-4.4	1.1	-3.1	61
MIZER_CMD16:10C	16.4	2.9	0.2826393	0.0000279	0.0013326		0.2826378	-5.2	1.0	-3.9	60
MIZER_CMD16:10R	9.8	2.8	0.2826815	0.0000278	0.0007431		0.2826807	-3.7	1.0	-2.4	58
MIZER_CMD16:11C	14.3	2.7	0.2826411	0.0000311	0.0011594		0.2826399	-5.1	1.1	-3.8	58
MIZER_CMD16:11R	8.0	2.9	0.2825779	0.0000255	0.0006293		0.2825772	-7.3	0.9	-6.1	58
Sample: Lakeshore											
MIZER_PE76:16C	13.2	3.2	0.2824713	0.0000253	0.0009470		0.2824700	-11.1	0.9	-9.6	71
MIZER_PE76:16R	19.2	3.5	0.2825186	0.0000240	0.0014115		0.2825168	-9.4	0.8	-8.0	69
MIZER_PE76:14R	14.1	3.4	0.2824520	0.0000322	0.0010507		0.2824506	-11.8	1.1	-10.3	69
MIZER_PE76:17C	15.0	3.1	0.2824689	0.0000322	0.0011133		0.2824674	-11.2	1.1	-9.7	69
MIZER_PE76:17R	16.8	3.2	0.2824772	0.0000258	0.0012504		0.2824755	-10.9	0.9	-9.3	72
MIZER_PE76:2C	13.9	3.1	0.2824575	0.0000295	0.0010772		0.2824561	-11.6	1.0	-10.1	71
MIZER_PE76:2R	13.5	3.3	0.2824511	0.0000313	0.0010347		0.2824496	-11.8	1.1	-10.2	74
MIZER_PE76:10C	28.6	3.2	0.2823605	0.0000339	0.0018434		0.2823580	-15.0	1.2	-13.5	72
MIZER_PE76:10R	20.2	3.2	0.2825122	0.0000318	0.0016532		0.2825100	-9.6	1.1	-8.2	70
Sample: San Juan											
MIZER_SJEAST:16R	8.4	2.7	0.2826464	0.0000294	0.0008689		0.2826454	-4.9	1.0	-3.6	58
MIZER_SJEAST:12R	10.6	3.2	0.2826402	0.0000289	0.0008428		0.2826392	-5.1	1.0	-3.8	59
MIZER_SJEAST:17C	7.2	2.2	0.2826629	0.0000325	0.0005795		0.2826622	-4.3	1.2	-3.0	59
MIZER_SJEAST:2C	9.5	2.5	0.2826558	0.0000291	0.0007381		0.2826550	-4.6	1.0	-3.3	59
MIZER_SJEAST:3C	8.2	3.2	0.2826469	0.0000304	0.0007733		0.2826460	-4.9	1.1	-3.6	59
MIZER_SJEAST:4C	13.1	3.6	0.2826401	0.0000265	0.0011522		0.2826388	-5.1	0.9	-3.9	59
MIZER_SJEAST:1C	9.3	2.4	0.2827194	0.0000368	0.0007524		0.2827185	-2.3	1.3	-1.0	60
MIZER_SJEAST:9R	8.1	3.3	0.2826165	0.0000290	0.0006896		0.2826158	-6.0	1.0	-4.7	60
MIZER_SJEAST:13R	9.5	3.1	0.2823687	0.0000317	0.0006519		0.2823675	-14.7	1.1	-12.4	106
MIZER_SJEAST:9C	14.5	1.8	0.2823419	0.0000377	0.0008661		0.2823219	-15.7	1.3	11.0	1220
MIZER_SJEAST:16C	23.4	3.2	0.2819740	0.0000313	0.0014163		0.2819360	-28.7	1.1	1.9	1418
MIZER_SJEAST:12C	8.5	2.6	0.2821210	0.0000365	0.0005994		0.2821045	-23.5	1.3	8.7	1455
MIZER_SJEAST:19C	17.7	2.8	0.2819499	0.0000347	0.0012408		0.2819137	-29.5	1.2	3.8	1539
MIZER_SJEAST:13C	25.2	2.9	0.2821357	0.0000311	0.0015720		0.2820897	-23.0	1.1	10.3	1546
Sample: Tyrone											
MIZER_T11QMP:1	12.0	2.7	0.2826038	0.0000319	0.0009610		0.2826029	-6.4	1.1	-5.2	54.9
MIZER_T11QMP:2	8.3	2.7	0.2825803	0.0000275	0.0007482		0.2825795	-7.2	1.0	-6.0	54.9
MIZER_T11QMP:3	8.2	2.7	0.2826047	0.0000311	0.0007054		0.2826040	-6.4	1.1	-5.2	54.9
MIZER_T11QMP:4	18.5	3.3	0.2821211	0.0000270	0.0013748		0.2821197	-23.5	1.0	-22.3	54.9

MIZER_T11QMP:5	8.2	2.6	0.2826219	0.0000330	0.0009165		0.2826210	-5.8	1.2	-4.6	54.9
MIZER_T11QMP:6	8.5	2.6	0.2826635	0.0000296	0.0007323		0.2826628	-4.3	1.0	-3.1	54.9
MIZER_T11QMP:7	11.0	2.7	0.2825130	0.0000257	0.0007618		0.2825122	-9.6	0.9	-8.4	54.9
MIZER_T11QMP:8	8.8	2.9	0.2825656	0.0000347	0.0007867		0.2825648	-7.8	1.2	-6.6	54.9
MIZER_T11QMP:9	11.1	2.6	0.2825569	0.0000328	0.0008826		0.2825560	-8.1	1.2	-6.9	54.9
MIZER_T11QMP:10	7.9	2.6	0.2826536	0.0000345	0.0011052		0.2826524	-4.6	1.2	-3.5	54.9
Sample: Tinaja											
JBC_TIN_3	44.5	1.3	0.282917	0.000050	0.002349	0.119955	0.282916	4.7	1.8	5.4	36
JBC_TIN_4	47.7	1.3	0.282756	0.000058	0.002496	0.128169	0.282754	-1.0	2.0	-0.3	35
JBC_TIN_5	31.8	1.3	0.282758	0.000063	0.001841	0.091355	0.282757	-1.0	2.2	-0.2	37
JBC_TIN_6	56.5	1.3	0.282654	0.000054	0.002963	0.153151	0.282652	-4.6	1.9	-3.9	36
JBC_TIN_8	27.1	1.3	0.282659	0.000048	0.001486	0.075908	0.282658	-4.5	1.7	-3.7	35
JBC_TIN_7	22.0	1.5	0.282520	0.000048	0.001252	0.059727	0.282495	-9.4	1.7	13.7	1070
JBC_TIN_10	24.9	1.4	0.282283	0.000045	0.001433	0.067767	0.282252	-17.8	1.6	6.7	1141
Sample: Reefer											
JBC_REEF_20	30.5	2.2	0.282905	0.000032	0.001885	0.086517	0.282905	4.3	1.1	4.7	20
JBC_REEF_11	22.4	2.3	0.282954	0.000038	0.001299	0.059915	0.282954	6.0	1.4	6.4	20
JBC_REEF_12	20.9	2.2	0.282885	0.000038	0.001277	0.057457	0.282885	3.5	1.3	4.0	21
JBC_REEF_15	22.8	2.1	0.282886	0.000043	0.001469	0.065420	0.282885	3.6	1.5	4.0	20
JBC_REEF_13	32.6	2.2	0.282872	0.000044	0.001889	0.087294	0.282872	3.1	1.6	3.5	21
JBC_REEF_14	23.6	2.5	0.282866	0.000031	0.001474	0.066946	0.282866	2.9	1.1	3.3	20
JBC_REEF_17	22.1	2.1	0.282948	0.000041	0.001272	0.057855	0.282947	5.8	1.5	6.2	21
JBC_REEF_19	27.9	2.2	0.282875	0.000046	0.001704	0.077925	0.282874	3.2	1.6	3.6	21

TABLE DR3

Supplementary Table DR3. Zircon oxygen isotope SIMS data from the WISCSIMS lab

File	Sample ID	$\delta^{18}O$ ‰ VSMOW	2SD (ext.)	Mass Bias (‰)	$\delta^{18}O$ ‰ measured	2SE (int.)	^{16}O (Gcps)	IP (nA)	Yield (Gcps/nA)	$^{16}OH/^{16}O$	NOTES/SUMMARY
20170124@114.asc	OX_1 KIM-5-A1				3.041	0.223	2.399	**1.549**	1.548	7.75E-04	
20170124@115.asc	OX_1 KIM-5-A2				3.123	0.205	2.373	**1.533**	1.548	7.94E-04	
20170124@116.asc	OX_1 KIM-5-B1				3.013	0.249	2.358	**1.525**	1.547	8.25E-04	
20170124@117.asc	OX_1 KIM-5-C1				2.823	0.163	2.346	**1.516**	1.548	7.83E-04	
	average and 2SD	**5.09**		**-2.08**	**3.00**	**0.25**					
20170124@118.asc	OX_1 Reefer-01	8.45	0.20		6.370	0.236	2.339	**1.509**	1.550	7.77E-04	SAMPLE: Reefer
20170124@119.asc	OX_1 Reefer-02	8.51	0.20		6.424	0.214	2.317	**1.504**	1.541	8.31E-04	8.4 ± 0.2 (2 SD), n=10
20170124@120.asc	OX_1 Reefer-03	8.51	0.20		6.431	0.242	2.284	**1.484**	1.539	8.18E-04	
20170124@121.asc	OX_1 Reefer-04	8.36	0.20		6.277	0.232	2.274	**1.471**	1.546	8.81E-04	
20170124@122.asc	OX_1 Reefer-05	8.34	0.20		6.253	0.198	2.310	**1.482**	1.559	8.13E-04	
20170124@123.asc	OX_1 Reefer-06	8.25	0.20		6.168	0.155	2.258	**1.468**	1.538	8.19E-04	
20170124@124.asc	OX_1 Reefer-07	8.33	0.20		6.245	0.201	2.224	**1.443**	1.541	8.73E-04	
20170124@125.asc	OX_1 Reefer-08	8.26	0.20		6.176	0.218	2.213	**1.438**	1.539	8.33E-04	
20170124@126.asc	OX_1 Reefer-09	8.51	0.20		6.430	0.262	2.217	**1.438**	1.542	7.84E-04	
20170124@127.asc	OX_1 Reefer-10	8.42	0.20		6.334	0.196	2.203	**1.432**	1.539	8.18E-04	
20170124@128.asc	OX_1 KIM-5-C2				3.126	0.170	2.211	**1.428**	1.548	8.12E-04	
20170124@129.asc	OX_1 KIM-5-C3				2.941	0.232	2.189	**1.423**	1.538	8.20E-04	
20170124@130.asc	OX_1 KIM-5-B2				2.985	0.295	2.323	**1.511**	1.537	7.88E-04	
20170124@131.asc	OX_1 KIM-5-B3				3.054	0.226	2.325	**1.508**	1.542	8.05E-04	
	average and 2SD				**3.03**	**0.16**					
	bracket average and 2SD	**5.09**		**-2.07**	**3.01**	**0.20**					
20170124@132.asc	OX_1 29palms-01	5.01	0.18		2.934	0.236	2.318	**1.501**	1.544	8.81E-04	SAMPLE: 29 Palms
20170124@133.asc	OX_1 29palms-02	5.01	0.18		2.926	0.227	2.312	**1.494**	1.548	8.78E-04	5.2 ± 0.4 (2 SD), n=10
20170124@134.asc	OX_1 29palms-03	5.24	0.18		3.158	0.201	2.306	**1.492**	1.545	8.80E-04	
20170124@135.asc	OX_1 29palms-04	5.22	0.18		3.141	0.223	2.320	**1.490**	1.557	9.00E-04	
20170124@136.asc	OX_1 29palms-05	4.87	0.18		2.791	0.261	2.290	**1.484**	1.543	9.34E-04	
20170124@137.asc	OX_1 29palms-06	5.39	0.18		3.313	0.251	2.279	**1.482**	1.538	8.86E-04	
20170124@138.asc	OX_1 29palms-07	5.11	0.18		3.029	0.215	2.351	**1.494**	1.573	8.99E-04	
20170124@139.asc	OX_1 29palms-08	5.44	0.18		3.361	0.219	2.270	**1.480**	1.534	8.24E-04	
20170124@140.asc	OX_1 29palms-09	5.02	0.18		2.945	0.279	2.238	**1.457**	1.537	8.44E-04	
20170124@141.asc	OX_1 29palms-10	5.09	0.18		3.008	0.242	2.218	**1.442**	1.538	9.19E-04	
20170124@142.asc	OX_1 KIM-5-A3				2.996	0.247	2.335	**1.503**	1.553	8.06E-04	
20170124@143.asc	OX_1 KIM-5-A4				3.084	0.227	2.371	**1.520**	1.560	8.08E-04	
20170124@144.asc	OX_1 KIM-5-B4				3.052	0.201	2.351	**1.521**	1.546	7.97E-04	
20170124@145.asc	OX_1 KIM-5-C4				2.848	0.210	2.330	**1.513**	1.540	7.90E-04	
	average and 2SD				**3.00**	**0.21**					
	bracket average and 2SD	**5.09**		**-2.07**	**3.01**	**0.18**					
20170124@146.asc	OX_1 strawberry-01	4.74	0.15		2.643	0.214	2.394	**1.530**	1.565	8.93E-04	SAMPLE: Strawberry
20170124@147.asc	OX_1 strawberry-02	5.49	0.15		3.391	0.273	2.331	**1.519**	1.534	8.78E-04	5.3 ± 0.9 (2 SD), n=8
20170124@148.asc	OX_1 strawberry-03	5.65	0.15		3.555	0.207	2.277	**1.478**	1.540	8.76E-04	
20170124@149.asc	OX_1 strawberry-04	4.90	0.15		2.806	0.192	2.242	**1.455**	1.541	9.48E-04	
20170124@150.asc	OX_1 strawberry-05	6.09	0.15		3.991	0.239	2.222	**1.443**	1.540	8.10E-04	
20170124@151.asc	OX_1 strawberry-06	5.41	0.15		3.311	0.280	2.205	**1.432**	1.540	9.25E-04	
20170124@152.asc	OX_1 strawberry-07	4.96	0.15		2.867	0.184	2.215	**1.431**	1.548	9.19E-04	
20170124@153.asc	OX_1 strawberry-08	5.36	0.15		3.261	0.258	2.181	**1.423**	1.533	9.11E-04	
20170124@154.asc	OX_1 Tinaja-01	5.59	0.15		3.493	0.225	2.144	**1.405**	1.526	9.00E-04	SAMPLE: Tinaja
20170124@155.asc	OX_1 Tinaja-02	5.49	0.15		3.397	0.186	2.176	**1.411**	1.542	1.02E-03	5.3 ± 0.4 (2 SD), n=10
20170124@156.asc	OX_1KIM-5-C5				2.995	0.169	2.234	**1.448**	1.542	8.01E-04	
20170124@157.asc	OX_1 KIM-5-A5				3.035	0.220	2.253	**1.461**	1.542	8.33E-04	
20170124@158.asc	OX_1 KIM-5-B5				2.930	0.253	2.394	**1.560**	1.535	7.67E-04	
20170124@159.asc	OX_1 KIM-5-C6				3.011	0.217	2.375	**1.548**	1.534	7.82E-04	
	average and 2SD				**2.99**	**0.09**					
	bracket average and 2SD	**5.09**		**-2.09**	**2.99**	**0.15**					
20170124@160.asc	OX_1 Tinaja-03	5.22	0.15		3.076	0.254	2.380	**1.546**	1.540	8.36E-04	
20170124@161.asc	OX_1 Tinaja-04	5.04	0.15		2.901	0.220	2.381	**1.547**	1.539	8.63E-04	
20170124@162.asc	OX_1 Tinaja-05	5.21	0.15		3.073	0.194	2.378	**1.546**	1.538	8.39E-04	
20170124@163.asc	OX_1 Tinaja-06	5.42	0.15		3.282	0.229	2.358	**1.542**	1.529	8.34E-04	
20170124@164.asc	OX_1 Tinaja-07	5.37	0.15		3.232	0.205	2.386	**1.540**	1.549	8.28E-04	
20170124@165.asc	OX_1 Tinaja-08	5.20	0.15		3.056	0.162	2.359	**1.547**	1.525	8.78E-04	
20170124@166.asc	OX_1 Tinaja-09	5.12	0.15		2.982	0.264	2.358	**1.533**	1.538	8.90E-04	
20170124@167.asc	OX_1 Tinaja-10	5.12	0.15		2.980	0.224	2.335	**1.514**	1.542	8.66E-04	
20170124@168.asc	OX_1 Qtzite-01	5.38	0.15		3.236	0.199	2.327	**1.506**	1.545	8.93E-04	SAMPLE: Quartzite
20170124@169.asc	OX_1 Qtzite-02	4.89	0.15		2.749	0.229	2.329	**1.497**	1.556	1.20E-03	5.2 ± 0.5 (2 SD), n=9
20170124@170.asc	OX_1 Qtzite-03	5.42	0.15		3.274	0.289	2.366	**1.507**	1.569	2.08E-03	
20170124@171.asc	OX_1 Qtzite-04	4.80	0.15		2.660	0.201	2.302	**1.495**	1.540	1.25E-03	
20170124@172.asc	OX_1 Qtzite-05	5.63	0.15		3.488	0.187	2.232	**1.456**	1.533	8.40E-04	
20170124@173.asc	OX_1 Qtzite-06	5.44	0.15		3.296	0.191	2.225	**1.443**	1.541	9.69E-04	
20170124@174.asc	OX_1 Qtzite-07	5.21	0.15		3.069	0.225	2.220	**1.437**	1.545	9.77E-04	
20170124@175.asc	OX_1 KIM-5-C7				2.793	0.217	2.339	**1.513**	1.546	7.70E-04	
20170124@176.asc	OX_1 KIM-5-B6				2.955	0.235	2.342	**1.520**	1.541	7.64E-04	
20170124@177.asc	OX_1 KIM-5-A6, NMRreset				2.958	0.232	2.319	**1.501**	1.545	7.85E-04	
20170124@178.asc	OX_1 KIM-5-A7				2.910	0.212	2.312	**1.496**	1.545	7.85E-04	
	average and 2SD				**2.90**	**0.15**					
	bracket average and 2SD	**5.09**		**-2.13**	**2.95**	**0.15**					
20170124@179.asc	OX_1 Qtzite-08	5.10	0.20		2.922	0.184	2.395	**1.511**	1.585	1.19E-03	
20170124@180.asc	OX_1 Qtzite-09	5.09	0.20		2.918	0.193	2.323	**1.507**	1.542	1.29E-03	
20170124@181.asc	OX_1 Keane-01	6.50	0.20		4.318	0.246	2.289	**1.477**	1.549	2.01E-03	SAMPLE: Keane
20170124@182.asc	OX_1 Keane-02	7.56	0.20		5.381	0.256	2.240	**1.464**	1.531	1.24E-03	7.0 ± 0.6 (2 SD), n=9
20170124@183.asc	OX_1 Keane-03	7.22	0.20		5.043	0.188	2.250	**1.458**	1.543	7.67E-04	
20170124@184.asc	OX_1 Keane-04	7.05	0.20		4.872	0.225	2.229	**1.453**	1.534	9.40E-04	
20170124@185.asc	OX_1 Keane-05	7.04	0.20		4.862	0.229	2.226	**1.458**	1.527	1.08E-03	
20170124@186.asc	OX_1 Keane-06	6.93	0.20		4.747	0.266	2.221	**1.445**	1.537	1.03E-03	
20170124@187.asc	OX_1 Keane-07	7.12	0.20		4.939	0.259	2.180	**1.422**	1.533	7.75E-04	
20170124@188.asc	OX_1 Keane-08	6.62	0.20		4.439	0.184	2.260	**1.442**	1.568	7.56E-04	
20170124@189.asc	**OX_1 Keane-09**	**13.64**	**0.20**		**11.449**	**0.579**	**2.027**	**1.435**	**1.413**	**2.27E-03**	**not included in mean value, dark CL, possibly not zircon**
20170124@190.asc	OX_1 Keane-10	6.90	0.20		4.718	0.218	2.145	**1.397**	1.535	7.83E-04	low primary ion beam intensity, but data included
20170124@191.asc	OX_1 KIM-5-A8				3.090	0.257	2.404	**1.543**	1.558	7.58E-04	
20170124@192.asc	OX_1 KIM-5-A9				2.945	0.211	2.438	**1.578**	1.545	7.55E-04	
20170124@193.asc	OX_1 KIM-5-B7				2.902	0.218	2.455	**1.587**	1.547	7.25E-04	

20170124@194.asc	OX_1 KIM-5-C8				2.763	0.239	2.438	1.584	1.539	7.37E-04	
	average and 2SD				**2.93**	**0.27**					
	bracket average and 2SD	**5.09**		**-2.16**	**2.91**	**0.20**					
20170124@195.asc	OX_1 Cooke-01	5.05	0.31		2.972	0.193	2.477	1.609	1.539	7.74E-04	SAMPLE: Cooke (rim)
20170124@196.asc	OX_1 Cooke-02	5.17	0.31		3.087	0.214	2.427	1.581	1.535	7.43E-04	5.1 ± 1.2 (2 SD), n=10
20170124@197.asc	OX_1 Cooke-03	3.47	0.31		1.394	0.216	2.426	1.568	1.547	7.41E-04	
20170124@198.asc	OX_1 Cooke-04	5.48	0.31		3.395	0.265	2.457	1.602	1.534	7.56E-04	Cooke (core)
20170124@199.asc	OX_1 Cooke-05	5.26	0.31		3.174	0.226	2.433	1.597	1.523	7.56E-04	3.0 ± 0.4 (2 SD), n=2
20170124@200.asc	OX_1 Cooke-06 (core)	2.76	0.31		0.686	0.247	2.363	1.547	1.527	8.27E-04	
20170124@201.asc	OX_1 Cooke-07	4.99	0.31		2.911	0.285	2.353	1.523	1.545	8.27E-04	
20170124@202.asc	OX_1 Cooke-08	5.59	0.31		3.504	0.270	2.338	1.519	1.539	7.40E-04	
20170124@203.asc	OX_1 Cooke-09	5.58	0.31		3.500	0.167	2.311	1.507	1.534	7.44E-04	
20170124@204.asc	OX_1 Cooke-10	5.16	0.31		3.081	0.202	2.335	1.516	1.540	7.74E-04	
20170124@205.asc	OX_1 Cooke-11 (core)	3.29	0.31		1.211	0.195	2.308	1.505	1.533	7.71E-04	
20170124@206.asc	**OX_1 Cooke-12**	**11.49**	**0.31**		**9.394**	**0.501**	**2.110**	1.485	**1.421**	**1.36E-03**	**not included in mean value, low OH/O, CL suggests not zircon**
20170124@207.asc	OX_1 Cooke-13	5.19	0.31		3.103	0.244	2.278	1.487	1.532	7.97E-04	
20170124@208.asc	OX_1 Hope-01	5.58	0.31		3.499	0.197	2.243	1.457	1.539	7.79E-04	SAMPLE: Hope
20170124@209.asc	OX_1 Hope-02	5.76	0.31		3.675	0.250	2.225	1.450	1.534	7.64E-04	5.6 ± 0.3 (2 SD), n=8
20170124@210.asc	OX_1 KIM-5-B8				3.140	0.279	2.218	1.447	1.533	7.54E-04	
20170124@211.asc	OX_1 KIM-5-B9				3.219	0.220	2.199	1.439	1.528	7.65E-04	
20170124@212.asc	OX_1 KIM-5-C9				2.888	0.237	2.330	1.514	1.539	7.52E-04	
20170124@213.asc	OX_1 KIM-5-A10				3.118	0.281	2.311	1.500	1.541	7.66E-04	
	average and 2SD				**3.09**	**0.28**					
	bracket average and 2SD	**5.09**		**-2.07**	**3.01**	**0.31**					
20170124@214.asc	OX_1 Hope-03	5.58	0.24		3.622	0.215	2.296	1.493	1.538	7.45E-04	
20170124@215.asc	OX_1 Hope-04	5.37	0.24		3.416	0.190	2.307	1.495	1.543	8.22E-04	
20170124@216.asc	OX_1 Hope-05	5.53	0.24		3.578	0.216	2.310	1.497	1.543	7.33E-04	
20170124@217.asc	OX_1 Hope-06	5.81	0.24		3.853	0.209	2.310	1.498	1.542	7.29E-04	
20170124@218.asc	OX_1 Hope-07	5.74	0.24		3.782	0.211	2.294	1.491	1.538	8.63E-04	
20170124@219.asc	OX_1 Hope-08	5.65	0.24		3.697	0.206	2.365	1.499	1.578	9.15E-04	
20170124@220.asc	OX_1 Joshua-01	5.95	0.24		3.998	0.223	2.274	1.481	1.535	8.27E-04	SAMPLE: Joshua (rim)
20170124@221.asc	OX_1 Joshua-02	5.97	0.24		4.018	0.242	2.281	1.459	1.564	9.98E-04	6.2 ± 1.2 (2 SD), n=8
20170124@222.asc	OX_1 Joshua-03	6.95	0.24		4.995	0.239	2.246	1.451	1.548	7.79E-04	
20170124@223.asc	OX_1 Joshua-04	6.15	0.24		4.194	0.296	2.327	1.473	1.579	7.34E-04	
20170124@224.asc	OX_1 Joshua-05	5.58	0.24		3.629	0.255	2.246	1.467	1.531	7.45E-04	
20170124@225.asc	OX_1 Joshua-06	7.28	0.24		5.322	0.287	2.186	1.430	1.528	9.38E-04	
20170124@226.asc	OX_1 Joshua-07	6.54	0.24		4.579	0.258	2.171	1.416	1.533	7.82E-04	
20170124@227.asc	OX_1 Joshua-08 (core)	2.00	0.24		0.047	0.201	2.184	1.412	1.547	8.90E-04	
20170124@228.asc	OX_1 Joshua-09	5.61	0.24		3.651	0.219	2.163	1.402	1.542	7.47E-04	
20170124@229.asc	OX_1 KIM-5-B10				3.246	0.217	2.152	1.401	1.536	7.63E-04	
20170124@230.asc	OX_1 KIM-5-B11				3.145	0.206	2.158	1.396	1.546	7.59E-04	
20170124@231.asc	OX_1 KIM-5-C10				3.065	0.225	2.140	1.407	1.521	7.71E-04	
20170124@232.asc	OX_1 KIM-5-A11				3.264	0.228	2.381	1.540	1.546	7.49E-04	
	average and 2SD				**3.18**	**0.19**					
	bracket average and 2SD	**5.09**		**-1.94**	**3.14**	**0.24**					
20170124@233.asc	OX_1 Hueco-01	4.77	0.20		2.822	0.292	2.401	1.557	1.542	8.18E-04	SAMPLE: Hueco
20170124@234.asc	OX_1 Hueco-02	4.53	0.20		2.583	0.219	2.495	1.586	1.573	7.54E-04	4.8 ± 0.3 (2 SD), n=9
20170124@235.asc	OX_1 Hueco-03	4.80	0.20		2.859	0.263	2.418	1.584	1.526	8.16E-04	
20170124@236.asc	OX_1 Hueco-04	4.86	0.20		2.914	0.199	2.406	1.562	1.541	7.79E-04	
20170124@237.asc	OX_1 Hueco-05	4.92	0.20		2.972	0.237	2.389	1.559	1.532	7.54E-04	
20170124@238.asc	OX_1 Hueco-06	4.70	0.20		2.758	0.250	2.455	1.596	1.538	7.51E-04	
20170124@239.asc	OX_1 Hueco-07	5.04	0.20		3.100	0.241	2.427	1.595	1.522	7.76E-04	
20170124@240.asc	OX_1 Hueco-08	4.61	0.20		2.667	0.197	2.390	1.555	1.537	8.25E-04	
20170124@241.asc	OX_1 Hueco-09	4.80	0.20		2.852	0.198	2.359	1.539	1.533	8.11E-04	
20170124@242.asc	OX_1 Yucca-01	6.72	0.20		4.771	0.221	2.373	1.537	1.543	8.07E-04	SAMPLE: Yucca
20170124@243.asc	OX_1 Yucca-02	7.96	0.20		6.011	0.233	2.371	1.539	1.540	8.27E-04	7.0 ± 1.2 (2 SD), n=9
20170124@244.asc	OX_1 Yucca-03	7.35	0.20		5.403	0.266	2.396	1.563	1.533	7.74E-04	
20170124@245.asc	OX_1 Yucca-04	6.31	0.20		4.367	0.233	2.405	1.572	1.530	6.97E-04	
20170124@246.asc	OX_1 Yucca-05	6.62	0.20		4.669	0.201	2.353	1.532	1.536	7.57E-04	
20170124@247.asc	OX_1 Yucca-06	6.42	0.20		4.469	0.221	2.297	1.512	1.520	7.10E-04	
20170124@248.asc	OX_1 KIM-5-C11				3.011	0.246	2.430	1.546	1.572	7.04E-04	
20170124@249.asc	OX_1 KIM-5-C12				3.044	0.246	2.342	1.545	1.516	7.34E-04	
20170124@250.asc	OX_1 KIM-5-B12				3.251	0.234	2.288	1.500	1.525	7.76E-04	
20170124@251.asc	OX_1 KIM-5-B13				3.139	0.174	2.285	1.486	1.537	7.38E-04	
	average and 2SD				**3.11**	**0.22**					
	bracket average and 2SD	**5.09**		**-1.93**	**3.15**	**0.20**					
20170124@252.asc	OX_1 Yucca-07	7.31	0.20		5.283	0.200	2.262	1.478	1.531	8.07E-04	
20170124@253.asc	OX_1 Yucca-08	7.77	0.20		5.737	0.214	2.271	1.466	1.549	8.86E-04	
20170124@254.asc	**OX_1 Yucca-09**	**4.17**	**0.20**		**2.148**	**0.359**	**2.254**	1.470	**1.533**	**7.73E-04**	**not included in mean, analysis location overlaps core/rim domains**
20170124@255.asc	OX_1 Yucca-10	7.10	0.20		5.069	0.284	2.389	1.518	1.574	6.74E-04	
20170124@256.asc	OX_1 Finger-01	6.42	0.20		4.394	0.199	2.237	1.471	1.521	9.99E-04	SAMPLE: Finger
20170124@257.asc	OX_1 Finger-02	6.33	0.20		4.301	0.252	2.206	1.430	1.543	7.91E-04	6.2 ± 0.3 (2 SD), n=9
20170124@258.asc	OX_1 Finger-03	5.97	0.20		3.944	0.173	2.195	1.423	1.542	7.86E-04	
20170124@259.asc	OX_1 Finger-04	6.38	0.20		4.352	0.230	2.184	1.418	1.541	8.16E-04	
20170124@260.asc	OX_1 Finger-05	6.22	0.20		4.194	0.219	2.180	1.410	1.546	8.48E-04	
20170124@261.asc	OX_1 Finger-06	6.14	0.20		4.116	0.256	2.169	1.406	1.543	8.17E-04	
20170124@262.asc	OX_1 Finger-07	6.25	0.20		4.219	0.265	2.291	1.435	1.597	8.44E-04	
20170124@263.asc	OX_1 Finger-08	6.20	0.20		4.175	0.219	2.160	1.419	1.522	7.60E-04	
20170124@264.asc	OX_1 Finger-09	6.34	0.20		4.316	0.190	2.123	1.382	1.537	8.25E-04	low primary ion beam intensity, but data included
20170124@265.asc	OX_1 KIM-5-A12				2.970	0.181	2.374	1.525	1.557	7.29E-04	
20170124@266.asc	OX_1 KIM-5-A13				3.105	0.187	2.409	1.557	1.547	7.24E-04	
20170124@267.asc	OX_1 KIM-5-A14				3.067	0.248	2.552	1.604	1.591	6.96E-04	
20170124@268.asc	OX_1 KIM-5-A15				2.930	0.227	2.449	1.609	1.522	7.36E-04	
	average and 2SD				**3.02**	**0.16**					
	bracket average and 2SD	**5.09**		**-2.02**	**3.06**	**0.20**					
20170124@269.asc	OX_1 Riverside-01	5.29	0.16		3.176	0.206	2.410	1.563	1.541	7.31E-04	SAMPLE: Riverside
20170124@270.asc	OX_1 Riverside-02	5.22	0.16		3.106	0.196	2.383	1.556	1.532	7.19E-04	5.4 ± 0.5 (2 SD), n=7
20170124@271.asc	OX_1 Riverside-03	5.46	0.16		3.345	0.173	2.382	1.556	1.531	7.33E-04	
20170124@272.asc	OX_1 Riverside-04	5.07	0.16		2.961	0.233	2.392	1.558	1.535	7.27E-04	
20170124@273.asc	OX_1 Riverside-05	5.70	0.16		3.588	0.240	2.384	1.560	1.527	7.00E-04	
20170124@274.asc	OX_1 Riverside-06	5.78	0.16		3.669	0.239	2.427	1.566	1.550	7.93E-04	
20170124@275.asc	OX_1 Riverside-07	5.53	0.16		3.414	0.228	2.405	1.564	1.537	6.74E-04	

20170124@276.asc	OX_1 Snaggle-01		6.37	0.16		4.258	0.284	2.442	**1.595**	1.531	7.07E-04	SAMPLE: Snaggletooth
20170124@277.asc	OX_1 Snaggle-02		6.48	0.16		4.362	0.230	2.432	**1.596**	1.524	7.13E-04	6.4 ± 0.3 (2 SD), n=9
20170124@278.asc	OX_1 Snaggle-03		6.61	0.16		4.492	0.237	2.372	**1.545**	1.535	7.27E-04	
20170124@279.asc	OX_1 Snaggle-04		6.36	0.16		4.246	0.191	2.349	**1.532**	1.533	7.00E-04	
20170124@280.asc	OX_1 Snaggle-05		6.55	0.16		4.437	0.166	2.459	**1.557**	1.580	6.98E-04	
20170124@281.asc	OX_1 Snaggle-06		6.47	0.16		4.353	0.254	2.346	**1.548**	1.516	6.51E-04	
20170124@282.asc	OX_1 KIM-5-C13					2.981	0.236	2.320	**1.513**	1.533	7.17E-04	
20170124@283.asc	OX_1 KIM-5-C14					3.016	0.215	2.312	**1.510**	1.531	7.26E-04	
20170124@284.asc	OX_1 KIM-5-C15					2.896	0.212	2.320	**1.536**	1.510	7.27E-04	
20170124@285.asc	OX_1 KIM-5-C16					2.866	0.235	2.414	**1.546**	1.561	7.12E-04	
	average and 2SD					**2.94**	**0.14**					
	bracket average and 2SD		**5.09**		**-2.10**	**2.98**	**0.16**					
	average and 2SD						**0.22**					
	1/24 bracket average and 2SD					**3.02**	**0.23**					
~~20170125@286.asc~~	~~OX_1 KIM-5-C-test MasCalib#3 D2=790~~					~~2.972~~	~~0.268~~	~~2.372~~	~~**1.531**~~	~~1.549~~	~~6.40E-04~~	primary beam tuning
~~20170125@287.asc~~	~~OX_1 KIM-5-C-test~~					~~3.065~~	~~0.262~~	~~2.370~~	~~**1.531**~~	~~1.548~~	~~6.54E-04~~	primary beam tuning
~~20170125@288.asc~~	~~OX_1 KIM-5-C-test~~					~~2.948~~	~~0.229~~	~~2.362~~	~~**1.530**~~	~~1.544~~	~~6.58E-04~~	primary beam tuning
~~20170125@289.asc~~	~~OX_1 KIM-5-C-test D2=780~~					~~3.299~~	~~0.228~~	~~2.466~~	~~**1.595**~~	~~1.546~~	~~6.48E-04~~	primary beam tuning
~~20170125@290.asc~~	~~OX_1 KIM-5-C-test~~					~~3.211~~	~~0.245~~	~~2.453~~	~~**1.591**~~	~~1.542~~	~~6.31E-04~~	primary beam tuning
~~20170125@291.asc~~	~~OX_1 KIM-5-C-test~~					~~3.193~~	~~0.258~~	~~2.443~~	~~**1.587**~~	~~1.540~~	~~6.44E-04~~	primary beam tuning
20170125@292.asc	OX_1 KIM-5-C-test D2=785					3.222	0.196	2.382	**1.542**	1.545	6.31E-04	
20170125@293.asc	OX_1 KIM-5-C-test					3.111	0.219	2.369	**1.534**	1.544	6.80E-04	
20170125@294.asc	OX_1 KIM-5-C-test					3.141	0.226	2.361	**1.529**	1.544	6.58E-04	
20170125@295.asc	OX_1 KIM-5-C-test					3.084	0.221	2.348	**1.523**	1.542	6.66E-04	
	average and 2SD					**3.14**	**0.12**					
20170125@296.asc	OX_1 Snaggle-07		6.58	0.14	-1.89	4.687	0.241	2.332	**1.510**	1.544	6.58E-04	
20170125@297.asc	OX_1 Snaggle-08		6.34	0.14	-1.89	4.444	0.206	2.329	**1.503**	1.549	6.67E-04	
20170125@298.asc	OX_1 Snaggle-09		6.12	0.14	-1.89	4.218	0.211	2.315	**1.493**	1.550	6.75E-04	
20170125@299.asc	OX_1 Coxcomb-01		6.96	0.14	-1.89	5.059	0.179	2.285	**1.482**	1.542	6.47E-04	SAMPLE: Coxcomb
20170125@300.asc	OX_1 Coxcomb-02		7.23	0.14	-1.89	5.333	0.279	2.264	**1.474**	1.536	6.62E-04	6.9 ± 1.1 (2 SD), n=11
20170125@301.asc	OX_1 Coxcomb-03		7.01	0.14	-1.89	5.111	0.225	2.270	**1.462**	1.553	7.01E-04	
20170125@302.asc	OX_1 Coxcomb-04		7.14	0.14	-1.89	5.239	0.194	2.250	**1.452**	1.550	7.06E-04	
20170125@303.asc	OX_1 Coxcomb-05		6.96	0.14	-1.89	5.061	0.214	2.232	**1.441**	1.549	6.54E-04	
20170125@304.asc	OX_1 Coxcomb-06		5.35	0.14	-1.89	3.459	0.179	2.213	1.431	1.546	7.27E-04	
20170125@305.asc	OX_1 Coxcomb-07		6.96	0.14	-1.89	5.062	0.199	2.208	**1.426**	1.548	6.60E-04	
20170125@306.asc	OX_1 Coxcomb-08		7.26	0.14	-1.89	5.364	0.207	2.190	**1.414**	1.548	7.03E-04	
20170125@307.asc	OX_1 GraniteMtn-01		6.27	0.14	-1.89	4.368	0.183	2.170	**1.405**	1.545	6.66E-04	SAMPLE: Granite Mtn 6.2 ± 0.2 (2 SD), n=8
20170125@308.asc	OX_1 KIM-5-B14					3.230	0.255	2.384	**1.530**	1.558	6.08E-04	
20170125@309.asc	OX_1 KIM-5-B15					3.274	0.265	2.407	**1.559**	1.544	5.99E-04	
20170125@310.asc	OX_1 KIM-5-B16					3.255	0.256	2.420	**1.568**	1.543	6.02E-04	
20170125@311.asc	OX_1 KIM-5-B17					3.242	0.181	2.403	**1.569**	1.531	6.03E-04	
	average and 2SD					**3.25**	**0.04**					
	bracket average and 2SD		**5.09**		**-1.89**	**3.19**	**0.14**					
20170125@312.asc	OX_1 GraniteMtn-02		6.07	0.09	-1.85	4.211	0.249	2.407	**1.563**	1.540	6.24E-04	
20170125@313.asc	OX_1 GraniteMtn-03		6.23	0.09	-1.85	4.366	0.238	2.398	**1.560**	1.537	6.34E-04	
20170125@314.asc	OX_1 GraniteMtn-04		6.18	0.09	-1.85	4.315	0.167	2.391	**1.560**	1.532	5.94E-04	
20170125@315.asc	OX_1 GraniteMtn-05		6.38	0.09	-1.85	4.517	0.236	2.386	**1.556**	1.534	6.47E-04	
20170125@316.asc	OX_1 GraniteMtn-06		6.16	0.09	-1.85	4.300	0.175	2.366	**1.545**	1.531	6.47E-04	
20170125@317.asc	OX_1 GraniteMtn-07		6.08	0.09	-1.85	4.214	0.203	2.378	**1.541**	1.543	6.90E-04	
20170125@318.asc	OX_1 GraniteMtn-08		6.20	0.09	-1.85	4.342	0.165	2.371	**1.535**	1.544	7.06E-04	
20170125@319.asc	OX_1 Coxcomb-09		7.13	0.09	-1.85	5.264	0.215	2.363	**1.530**	1.545	6.65E-04	
20170125@320.asc	OX_1 Coxcomb-10		6.99	0.09	-1.85	5.126	0.266	2.333	**1.492**	1.563	7.12E-04	
20170125@321.asc	OX_1 Coxcomb-11		7.09	0.09	-1.85	5.223	0.219	2.336	**1.509**	1.547	6.31E-04	
20170125@322.asc	OX_1 KIM-5-A16					3.167	0.168	2.335	**1.508**	1.548	1.35E-03	
20170125@323.asc	OX_1 KIM-5-A17					3.245	0.252	2.333	**1.509**	1.546	6.41E-04	
20170125@324.asc	OX_1 KIM-5-A18					3.156	0.239	2.332	**1.507**	1.547	6.35E-04	
20170125@325.asc	OX_1 KIM-5-A19					3.276	0.263	2.305	**1.503**	1.533	6.38E-04	
	average and 2SD					**3.21**	**0.12**					
	bracket average and 2SD		**5.09**		**-1.85**	**3.23**	**0.09**					
~~20170125@326.asc~~	~~OX_2 KIM-5-A1~~	~~warm up~~				~~2.732~~	~~0.199~~	~~2.260~~	~~**1.481**~~	~~1.526~~	~~6.05E-04~~	primary beam condition tuning
~~20170125@327.asc~~	~~OX_2 KIM-5-A2~~	~~warm up~~				~~2.886~~	~~0.256~~	~~2.257~~	~~**1.472**~~	~~1.533~~	~~6.09E-04~~	primary beam condition tuning
20170125@328.asc	OX_2 KIM-5-B1					3.196	0.242	2.261	**1.458**	1.551	5.82E-04	
20170125@329.asc	OX_2 KIM-5-C1					3.319	0.203	2.258	**1.460**	1.546	6.01E-04	
20170125@330.asc	OX_2 KIM-5-D1					3.373	0.23	2.244	**1.457**	1.540	6.13E-04	
20170125@331.asc	OX_2 KIM-5-D2					3.373	0.226	2.233	**1.454**	1.536	6.37E-04	
	average and 2SD					**3.32**	**0.17**					
20170125@332.asc	OX_2 Cochise-01		6.30	0.17	-1.82	4.465	0.194	2.340	**1.512**	1.547	7.38E-04	SAMPLE: Cochise
20170125@333.asc	OX_2 Cochise-02		6.34	0.17	-1.82	4.504	0.262	2.356	**1.523**	1.547	6.98E-04	6.2 ± 0.5 (2 SD), n=10
20170125@334.asc	OX_2 Cochise-03		6.17	0.17	-1.82	4.331	0.254	2.347	**1.526**	1.538	6.44E-04	
20170125@335.asc	OX_2 Cochise-04		6.55	0.17	-1.82	4.716	0.237	2.343	**1.523**	1.538	6.74E-04	
20170125@336.asc	OX_2 Cochise-05		6.29	0.17	-1.82	4.450	0.223	2.341	**1.519**	1.541	6.73E-04	
20170125@337.asc	OX_2 Cochise-06		5.56	0.17	-1.82	3.724	0.195	2.340	**1.518**	1.542	8.16E-04	
20170125@338.asc	OX_2 Cochise-07		6.31	0.17	-1.82	4.473	0.230	2.341	**1.517**	1.543	6.65E-04	
20170125@339.asc	OX_2 Cochise-08		6.27	0.17	-1.82	4.430	0.234	2.345	**1.517**	1.546	6.74E-04	
20170125@340.asc	OX_2 Cochise-09		6.01	0.17	-1.82	4.170	0.200	2.337	**1.517**	1.541	6.33E-04	
20170125@341.asc	OX_2 Cochise-10		6.25	0.17	-1.82	4.416	0.254	2.335	**1.516**	1.540	6.71E-04	
20170125@342.asc	OX_2 Dragoon-01 (rim)		5.89	0.17	-1.82	4.054	0.234	2.332	**1.514**	1.540	6.60E-04	SAMPLE: Dragoon
20170125@343.asc	OX_2 Dragoon-02 (rim)		7.77	0.17	-1.82	5.927	0.184	2.333	**1.512**	1.543	6.01E-04	rim = 6.6 ± 1.6 (2 SD), n=11 core = 8.8 ± 1.4 (2 SD), n=4
20170125@344.asc	OX_2 KIM-5-B2					3.176	0.260	2.317	**1.504**	1.541	5.92E-04	
20170125@345.asc	OX_2 KIM-5-B3					3.219	0.246	2.328	**1.513**	1.539	5.94E-04	
20170125@346.asc	OX_2 KIM-5-B4					3.202	0.220	2.301	**1.499**	1.536	6.03E-04	
20170125@347.asc	OX_2 KIM-5-B5					3.188	0.235	2.300	**1.490**	1.544	6.08E-04	
	average and 2SD					**3.20**	**0.04**					
	bracket average and 2SD		**5.09**		**-1.82**	**3.26**	**0.17**					
20170125@348.asc	OX_2 Dragoon-03 (rim)		6.02	0.05	-1.88	4.125	0.193	2.279	**1.496**	1.523	6.61E-04	
20170125@349.asc	OX_2 Dragoon-04 (rim)		8.22	0.05	-1.88	6.320	0.230	2.282	**1.489**	1.533	5.93E-04	
20170125@350.asc	OX_2 Dragoon-05 (rim)		6.07	0.05	-1.88	4.173	0.277	2.267	**1.483**	1.528	6.62E-04	

20170125@351.asc	OX_2 Dragoon-06 (rim)	6.16	0.05	-1.88	4.266	0.208	2.270	1.474	1.541	6.57E-04	
20170125@352.asc	OX_2 Dragoon-07 (rim)	6.04	0.05	-1.88	4.143	0.213	2.242	1.468	1.527	6.05E-04	
20170125@353.asc	OX_2 Dragoon-08 (rim)	7.06	0.05	-1.88	5.167	0.290	2.248	1.463	1.537	6.92E-04	
20170125@354.asc	**OX_2 Dragoon-09 (rim)**	**9.15**	**0.05**	**-1.88**	**7.249**	**0.251**	**2.251**	**1.465**	**1.537**	**5.99E-04**	**not included in rim mean, analysis may include core**
20170125@355.asc	OX_2 Dragoon-10 (rim)	6.00	0.05	-1.88	4.105	0.288	2.242	1.459	1.536	7.19E-04	
20170125@356.asc	OX_2 Dragoon-11 (rim)	6.49	0.05	-1.88	4.590	0.216	2.249	1.452	1.549	6.09E-04	
20170125@357.asc	OX_2 Dragoon-12 (rim)	5.88	0.05	-1.88	3.987	0.186	2.252	1.447	1.556	7.06E-04	
20170125@358.asc	OX_2 sBarstow-01	5.65	0.05	-1.88	3.757	0.216	2.220	1.442	1.539	6.96E-04	SAMPLE: S. Barstow
20170125@359.asc	OX_2 sBarstow-02	5.46	0.05	-1.88	3.565	0.280	2.202	1.429	1.540	6.90E-04	5.4 ± 0.6 (2 SD), n=9
20170125@360.asc	OX_2 sBarstow-03	5.60	0.05	-1.88	3.702	0.242	2.206	1.428	1.545	8.25E-04	
20170125@361.asc	OX_2 KIM-5-C2				3.231	0.204	2.194	1.425	1.540	6.33E-04	
20170125@362.asc	OX_2 KIM-5-C3				3.149	0.182	2.195	1.421	1.544	6.30E-04	
20170125@363.asc	OX_2 KIM-5-C4				3.215	0.240	2.195	1.421	1.545	6.42E-04	
20170125@364.asc	OX_2 KIM-5-C5				3.191	0.254	2.179	1.416	1.539	6.78E-04	
	average and 2SD				**3.20**	**0.07**					
	bracket average and 2SD	**5.09**		**-1.88**	**3.20**	**0.05**					
20170125@365.asc	OX_2 sBarstow-04	4.76	0.12	-1.87	2.873	0.272	2.556	1.636	1.563	6.82E-04	
20170125@366.asc	OX_2 sBarstow-05	5.32	0.12	-1.87	3.433	0.275	2.618	1.694	1.546	6.72E-04	
20170125@367.asc	OX_2 sBarstow-06	5.50	0.12	-1.87	3.619	0.225	2.661	1.721	1.546	7.15E-04	
20170125@368.asc	OX_2 sBarstow-07	5.04	0.12	-1.87	3.153	0.287	2.669	1.732	1.541	6.68E-04	
20170125@369.asc	OX_2 sBarstow-08	5.51	0.12	-1.87	3.627	0.267	2.668	1.734	1.539	7.11E-04	
20170125@370.asc	OX_2 sBarstow-09	5.27	0.12	-1.87	3.385	0.214	2.636	1.737	1.517	6.76E-04	
20170125@371.asc	OX_2 GraniteGap-01	4.86	0.12	-1.87	2.974	0.233	2.676	1.740	1.538	6.17E-04	SAMPLE: Granite Gap
20170125@372.asc	OX_2 GraniteGap-02	5.48	0.12	-1.87	3.597	0.223	2.679	1.739	1.540	6.17E-04	5.2 ± 0.8 (2 SD), n=9
20170125@373.asc	OX_2 GraniteGap-03	4.58	0.12	-1.87	2.694	0.234	2.626	1.750	1.500	7.46E-04	
20170125@374.asc	OX_2 GraniteGap-04	5.33	0.12	-1.87	3.445	0.272	2.546	1.663	1.531	6.85E-04	
20170125@375.asc	OX_2 GraniteGap-05	4.74	0.12	-1.87	2.854	0.218	2.547	1.637	1.556	6.57E-04	
20170125@376.asc	OX_2 GraniteGap-06	5.23	0.12	-1.87	3.342	0.219	2.528	1.638	1.543	7.48E-04	
20170125@377.asc	OX_2 GraniteGap-07c	5.46	0.12	-1.87	3.580	0.253	2.480	1.619	1.532	6.35E-04	
20170125@378.asc	OX_2 GraniteGap-08	5.26	0.12	-1.87	3.380	0.240	2.478	1.613	1.537	6.31E-04	
20170125@379.asc	OX_2 GraniteGap-09	5.74	0.12	-1.87	3.856	0.237	2.479	1.612	1.538	6.50E-04	
20170125@380.asc	OX_2 KIM-5-D3				3.302	0.246	2.469	1.610	1.534	6.02E-04	
20170125@381.asc	OX_2 KIM-5-D4				3.146	0.273	2.469	1.607	1.537	5.91E-04	
20170125@382.asc	OX_2 KIM-5-D5				3.152	0.283	2.461	1.606	1.532	5.93E-04	
20170125@383.asc	OX_2 KIM-5-D6				3.267	0.277	2.477	1.609	1.540	5.94E-04	
	average and 2SD				**3.22**	**0.16**					
	bracket average and 2SD	**5.09**		**-1.87**	**3.21**	**0.12**					
											analyses 384-389 unrelated to this project
20170125@399.asc	OX_2 KIM-5-B6				3.024	0.244	2.370	1.539	1.540	5.93E-04	
20170125@400.asc	OX_2 KIM-5-B7				3.010	0.261	2.363	1.528	1.547	5.92E-04	
20170125@401.asc	OX_2 KIM-5-B8				3.087	0.222	2.348	1.525	1.539	5.99E-04	
20170125@402.asc	OX_2 KIM-5-B9				3.141	0.214	2.354	1.525	1.544	6.05E-04	
	average and 2SD				**3.07**	**0.12**					
	bracket average and 2SD	**5.09**		**-1.94**	**3.14**	**0.21**					
											analyses 403-417 unrelated to this project
20170125@418.asc	OX_2 KIM-5-C6				3.254	0.248	2.239	1.456			
20170125@419.asc	OX_2 KIM-5-C7				3.153	0.197	2.230	1.453			
20170125@420.asc	OX_2 KIM-5-C8				3.074	0.193	2.209	1.445			
20170125@421.asc	OX_2 KIM-5-C9				3.109	0.273	2.199	1.438			
	average and 2SD				**3.15**	**0.16**					
	bracket average and 2SD	**5.09**		**-1.97**	**3.11**	**0.16**					
											analyses 422-430 unrelated to this project
20170125@431.asc	OX_2 Dragoon-13 (core)	9.05	0.18	-1.90	7.134	0.227	2.175	1.417	1.535	6.01E-04	
20170125@432.asc	OX_2 Dragoon-14 (core)	8.62	0.18	-1.90	6.707	0.159	2.288	1.481	1.546	6.31E-04	
20170125@433.asc	OX_2 Dragoon-15 (core)	9.67	0.18	-1.90	7.757	0.223	2.281	1.491	1.530	5.90E-04	
20170125@434.asc	**OX_2 Dragoon-16 (core)**	**6.36**	**0.18**	**-1.90**	**4.451**	**0.279**	**2.300**	**1.494**	**1.540**	**7.43E-04**	**not included in core mean, metamict core**
20170125@435.asc	OX_2 Dragoon-17 (rim)	5.94	0.18	-1.90	4.028	0.212	2.299	1.495	1.538	6.89E-04	
20170125@436.asc	OX_2 Dragoon-18 (rim)	7.51	0.18	-1.90	5.602	0.218	2.281	1.492	1.529	6.86E-04	
20170125@437.asc	OX_2 Dragoon-19 (core)	8.05	0.18	-1.90	6.141	0.236	2.289	1.485	1.542	6.95E-04	
20170125@438.asc	OX_2 KIM-5-D7				3.160	0.232	2.312	1.492	1.549	6.12E-04	
20170125@439.asc	OX_2 KIM-5-D8				3.128	0.205	2.300	1.490	1.543	6.09E-04	
20170125@440.asc	OX_2 KIM-5-D9				3.333	0.203	2.276	1.481	1.536	6.05E-04	
20170125@441.asc	OX_2 KIM-5-D10				3.256	0.249	2.286	1.487	1.538	6.16E-04	
	average and 2SD				**3.22**	**0.19**					
	bracket average and 2SD	**5.09**		**-1.90**	**3.18**	**0.18**					

TABLE DR4

SAMPLE ID	Source	AGE	LAT	LONG	Ep_Nd(t)	coverted Ep_Hft(t)	SiO2
UBA 026	McMillan_etal_2000	27	32.5200	-107.1200	-4.5	-3.2	57.3
UBA 023	McMillan_etal_2000	27	32.5200	-107.1200	-4.3	-2.9	56.7
UBA 032	McMillan_etal_2000	27	32.5200	-107.1200	-3.9	-2.4	56.8
UBA010	McMillan_etal_2000	27	32.4500	-107.2500	-3.4	-1.7	51.9
UBA 034	McMillan_etal_2000	27	32.5200	-107.1200	-2.7	-0.7	54.0
UBA011	McMillan_etal_2000	27	32.4500	-107.2500	-2.7	-0.7	50.8
UBA 029	McMillan_etal_2000	27	32.5200	-107.1200	-1.8	0.5	51.5
UBA 025	McMillan_etal_2000	27	32.5200	-107.1200	0.8	4.0	48.8
RP013	McMillan_etal_2000	38	32.4000	-107.4300	-4.5	-3.2	62.9
RP009	McMillan_etal_2000	38	32.4000	-107.4300	-3.4	-1.7	58.0
PP-022	McMillan_etal_2000	45	32.4700	-106.8000	-3.9	-2.4	61.0
VA015	McMillan_etal_2000	47	32.1117	-106.6619	-4.8	-3.6	70.9
CA014	McMillan_etal_2000	47.1	31.8000	-106.5200	-2.7	-0.7	63.2
QL-85-1	Anthony & Titley, 1988	58	31.8778	-111.1778		-8.6	69.6
TWB-PA	Anthony & Titley, 1988	58	31.8778	-111.1778		-8.4	69.4
RSMR3-2	Anthony & Titley, 1988	63	31.8778	-111.1778		-7.5	68.3
RS-MR-5X (isoto	Anthony & Titley, 1988	63	31.8778	-111.1778		-6.3	65.7
RS-MR-5	Anthony & Titley, 1988	63	31.8778	-111.1778		-5.9	65.7
KR-3	Anthony & Titley, 1988	65	31.8778	-111.1778		-6.7	75.6
KD-GR2-5	Anthony & Titley, 1988	67	31.8778	-111.1778		-2.9	57.9
KD-GR2-1	Anthony & Titley, 1988	67	31.8778	-111.1778		-2.8	61.1
D-MR2-2	Anthony & Titley, 1988	68	31.8778	-111.1778		-7.0	59.3
CIM8142	Farmer_etal_1989	1	35.2333	-115.7167	-5.6	-4.7	
Ci-12	Farmer_etal_1995	3	35.3385	-115.6320	5.6	10.6	46.7
BW-6	Bradshaw_etal_1993	5	34.2844	-114.1113	5.5	10.5	48.3
CA_4	Kempton_etal_1991	8	35.0000	-118.0000	6.3	11.5	47.8
BW-3	Bradshaw_etal_1993	10	34.5100	-114.0753	-6.3	-5.7	53.6
BW-4	Bradshaw_etal_1993	10	34.5105	-114.0755	-4.2	-2.7	51.6
1215-1	Miller_etal_2000	18	34.3314	-114.7642	-11.5	-12.6	63.0
P-2C	Miller_etal_2000	18	34.7582	-115.1400	-9.6	-10.1	66.1
EP-1	Miller_etal_2000	18	34.6982	-115.1500	-9.3	-9.7	56.2
TU-B	Miller_etal_2000	18	34.6182	-115.1100	-9.2	-9.5	57.5
A-14	Miller_etal_2000	18	34.3835	-114.7707	-9.0	-9.3	68.2
SV-3	Miller_etal_2000	18	34.5382	-115.3700	-8.3	-8.3	54.3
LP-KB	Miller_etal_2000	18	34.6182	-115.0700	-8.2	-8.2	59.3
LP-UB3	Miller_etal_2000	18	34.6182	-115.0700	-7.4	-7.1	61.1
A-2	Miller_etal_2000	18	34.3785	-114.7620	-7.0	-6.5	53.5
MARB-2	Miller_etal_2000	18	34.6683	-115.6412	-6.9	-6.4	71.9
MARB-522-22	Miller_etal_2000	18	34.6810	-115.6381	-6.7	-6.1	53.0
ST-HA-2	Miller_etal_2000	18	34.5000	-114.8600	-6.6	-6.1	66.0
AG-2	Miller_etal_2000	18	34.7745	-116.2424	-6.1	-5.3	63.2
MARB-522-24	Miller_etal_2000	18	34.6854	-115.6498	-5.9	-5.0	73.6
PLB	Miller_etal_2000	18	34.7882	-115.0700	-5.6	-4.7	53.8
MARB-522-23	Miller_etal_2000	18	34.6801	-115.6390	-5.5	-4.6	52.7
PCST-37	Miller_etal_2000	18	34.5000	-114.8600	-5.4	-4.4	71.0
a-3	Miller_etal_2000	18	35.3025	-116.1702	-5.3	-4.2	53.4
SV-2	Miller_etal_2000	18	34.5382	-115.3700	-5.0	-3.8	48.6
OPAL-4	Miller_etal_2000	18	35.0939	-117.1117	-4.2	-2.7	
BARS-2	Miller_etal_2000	18	34.8768	-116.8900	-4.1	-2.6	70.0
11--90	Miller_etal_2000	18	34.7670	-116.2840	-3.8	-2.3	52.7
LVHL-2	Miller_etal_2000	18	34.6450	-115.9625	-3.8	-2.3	65.8

TABLE DR4

A-4-2	Miller_etal_2000	18	34.8055	-116.6698	-3.7	-2.1	69.1
22-10A	Miller_etal_2000	18	34.8250	-116.3085	-3.5	-1.8	64.3
ECVF1549	Miller_etal_2000	18	35.4000	-116.9700	-2.7	-0.7	0.0
OM9313	Miller_etal_2000	18	35.1500	-117.2600	-2.3	-0.1	53.5
91fi102	Miller_etal_2000	18	35.3682	-116.6900	-1.9	0.4	65.7
A-3-1	Miller_etal_2000	18	34.3814	-114.7652	-1.9	0.4	44.5
82-25	Miller_etal_2000	18	34.8098	-116.3182	-1.7	0.7	68.3
91fi12p	Miller_etal_2000	18	35.4982	-116.8700	-1.3	1.2	56.0
90fi38	Miller_etal_2000	18	35.3382	-116.8100	-1.2	1.3	63.3
NBPS-6	Miller_etal_2000	18	34.4957	-116.1492	-1.1	1.4	48.9
PK914b	Miller_etal_2000	18	35.5589	-117.1181	-0.5	2.2	50.9
90fi39	Miller_etal_2000	18	35.3382	-116.8000	-0.5	2.3	75.6
90fi28	Miller_etal_2000	18	35.4982	-116.8600	-0.3	2.6	64.0
KRMR-4	Miller_etal_2000	18	34.8994	-117.5116	-0.3	2.6	
91fi9p	Miller_etal_2000	18	35.4977	-116.8674	0.1	3.1	55.1
ECVF1340	Miller_etal_2000	18	35.5500	-116.9900	0.3	3.3	0.0
ECVF1431	Miller_etal_2000	18	35.4700	-117.0300	0.3	3.3	59.8
OPAL-2	Miller_etal_2000	18	35.0939	-117.1117	0.3	3.4	
13-22	Miller_etal_2000	18	34.7724	-116.2432	0.5	3.7	53.1
91fi5	Miller_etal_2000	18	35.3382	-116.7900	0.6	3.7	51.5
ECVF1332	Miller_etal_2000	18	35.4800	-117.0300	0.7	4.0	74.9
12--3	Miller_etal_2000	18	34.7817	-116.2442	0.8	4.1	50.0
ECVF1425	Miller_etal_2000	18	35.5500	-117.0200	1.2	4.6	56.9
ECVF1514	Miller_etal_2000	18	35.4300	-117.2000	1.3	4.7	77.2
pk914c	Miller_etal_2000	18	35.5589	-117.1181	1.6	5.1	52.5
EP9315	Miller_etal_2000	18	35.2616	-117.4854	2.8	6.8	
SADL-1	Miller_etal_2000	18	35.0595	-117.6253	3.6	7.9	49.1
89fi6	Miller_etal_2000	18	35.3052	-116.6809	3.8	8.1	48.2
ALVO-3	Miller_etal_2000	18	35.0640	-116.5454	4.3	8.8	48.7
93fi12	Miller_etal_2000	18	35.3282	-116.7500	4.4	8.9	49.1
SA9311	Miller_etal_2000	18	34.8994	-117.5116	4.8	9.4	
OM9312	Miller_etal_2000	18	35.1400	-117.2600	8.4	14.3	51.3
MO-1	Bradshaw_etal_1993	21	34.6833	-114.3107	-5.7	-4.8	48.5
MO-1	Bradshaw_etal_1993	21	34.6833	-114.3107	-5.7	-4.8	48.5
D31	Lang_1992	72	34.8386	-113.7669	-13.7	-15.7	70.7
D11	Lang_1992	72	34.8242	-113.7378	-12.2	-13.7	61.9
B61	Lang_1992	72	34.5883	-113.2078	-12.1	-13.5	69.9
B51	Lang_1992	73	34.5881	-113.2142	-11.2	-12.3	66.1
B42	Lang_1992	75	34.5683	-113.2303	-10.8	-11.7	65.2
B33	Lang_1992	77	34.5989	-113.1117	-12.3	-13.8	59.1
B3a1	Lang_1992	77	34.5839	-113.2036	-10.2	-10.9	66.6
B22	Lang_1992	78	34.5694	-113.2375	-11.2	-12.2	76.1
B3b1	Lang_1992	78	34.5711	-113.2458	-9.9	-10.5	66.3
DVB-108	Ramo_etal_2002	93	35.3161	-115.5508	-12.8	-14.5	67.9
DVB-113	Ramo_etal_2002	93	35.1639	-115.4436	-11.4	-12.6	73.8
DVB-112	Ramo_etal_2002	93	35.1203	-115.4014	-3.5	-1.8	46.6
DVB-117	Ramo_etal_2002	95	35.6361	-116.2750	-15.9	-18.7	73.9
DVB-114B	Ramo_etal_2002	95	35.6767	-116.6681	-13.0	-14.7	66.8
DVB-114A	Ramo_etal_2002	95	35.6767	-116.6681	-11.3	-12.4	65.0
DVB-131	Ramo_etal_2002	95	35.1939	-116.1431	-6.3	-5.6	77.0
DVB-110	Ramo_etal_2002	97	35.3153	-115.5822	-13.5	-15.4	70.2
DVB-129	Ramo_etal_2002	97	35.1883	-115.5964	-9.8	-10.4	73.1

TABLE DR4

DVB-107	Ramo_etal_2002	97	35.4061	-115.9453	-8.5	-8.6	68.5
DVB-111	Ramo_etal_2002	97	35.1544	-115.3319	-6.6	-6.0	60.5
TC-42	Sams_Saleeby_1988	98	35.2283	-118.4961	-1.9	0.4	58.9
TC-42	Sams_Saleeby_1988	98	35.2283	-118.4961	-1.9	0.4	58.9
2	Sams_Saleeby_1988	99	34.9256	-118.9279	4.0	8.4	
CM-9	Sams_Saleeby_1988	100	35.0408	-118.5683	-3.2	-1.3	62.8
CM-9	Sams_Saleeby_1988	100	35.0408	-118.5683	-3.2	-1.3	62.8
PC-35 PC35-P	Sams_Saleeby_1988	110	34.9194	-118.7961	1.0	4.4	79.4
CM-630 GC-1	Sams_Saleeby_1988	115	35.1250	-118.7228	1.3	4.7	61.9
WR-643 GC-14	Sams_Saleeby_1988	117	35.0244	-118.7067	0.2	3.2	73.8
DVB-109	Ramo_etal_2002	145	35.3406	-115.6767	-13.4	-15.3	76.5
ID929C	Glazner_etal_2008	148	34.6991	-117.0989	-9.7	-10.3	74.1
ID929A	Glazner_etal_2008	148	34.6963	-117.0994	-8.0	-7.9	75.4
ID929B	Glazner_etal_2008	148	34.6996	-117.0989	-7.8	-7.7	69.3
ID9210A	Glazner_etal_2008	148	34.5246	-116.7339	-6.2	-5.5	74.0
ID9210D	Glazner_etal_2008	148	34.5382	-116.7183	-5.5	-4.6	73.3
CRO35.4	Glazner_etal_2008	148	35.1357	-116.2975	-5.2	-4.2	56.4
ID9210B	Glazner_etal_2008	148	34.5288	-116.7236	-4.4	-3.0	67.8
ID9210F	Glazner_etal_2008	148	35.5746	-116.6092	-2.2	-0.1	48.9
DVB-116	Ramo_etal_2002	179	35.5761	-115.3544	-9.0	-9.3	58.5
DVB-132A	Ramo_etal_2002	179	35.5131	-116.2583	-8.1	-8.1	63.6
DVB-132B	Ramo_etal_2002	179	35.5131	-116.2583	-8.0	-7.9	52.3
9-94-41	NAVDAT	15	33.5789	-112.8717	-7.5	-7.2	50.8
5-93-3	NAVDAT	16	34.3628	-112.2175	-2.5	-0.5	45.8
12-94-2	NAVDAT	16	34.4914	-111.6900	-1.8	0.5	47.0
3-93-59	NAVDAT	16	33.9658	-112.0686	-5.5	-4.5	48.1
4-93-5	NAVDAT	16	33.8750	-111.8750	-3.5	-1.9	49.7
11-94-1	NAVDAT	16	33.5936	-112.0861	-6.8	-6.3	51.2
4-93-51A	NAVDAT	16.2	33.8903	-112.2103	0.0	2.9	50.2
CV 12	NAVDAT	16.7	34.1306	-118.7614	6.3	11.5	50.8
CV 195B	NAVDAT	16.7	34.1500	-118.9000	6.1	11.2	55.4
CV 117	NAVDAT	16.7	34.2098	-118.9218	6.3	11.5	55.6
CV 107	NAVDAT	16.7	34.2409	-118.8817	6.4	11.6	57.5
CV 121	NAVDAT	16.7	34.2358	-118.8660	6.5	11.8	57.9
CV 187	NAVDAT	16.7	34.0945	-118.9385	5.7	10.7	59.6
CV 151	NAVDAT	16.7	34.1411	-118.9686	7.4	12.9	62.3
CV 162	NAVDAT	16.7	34.1457	-118.9655	8.3	14.3	62.8
CV 177	NAVDAT	16.7	34.1001	-118.8388	6.0	11.1	64.1
CV 102B	NAVDAT	16.7	34.1598	-119.0270	7.1	12.6	65.9
CV 116	NAVDAT	16.7	34.2141	-118.9281	6.2	11.4	66.7
CB7	NAVDAT	17.5	34.7600	-119.9800	8.3	14.2	46.2
CB3	NAVDAT	17.5	34.7600	-119.9800	9.2	15.4	46.7
CB5	NAVDAT	17.5	34.7600	-119.9800	9.3	15.6	47.2
Lp89-6	NAVDAT	17.55	33.8000	-107.7670	1.8	5.4	46.2
Lp89-5	NAVDAT	17.55	33.8000	-107.7670	0.6	3.7	46.6
Jk89-9	NAVDAT	17.55	33.8125	-108.4750	3.7	8.0	47.7
Jk89-5	NAVDAT	17.55	33.8125	-108.4750	4.1	8.6	48.2
Jk88-4	NAVDAT	17.55	33.8125	-108.4750	-1.3	1.1	50.1
A-3-1	NAVDAT	18	34.3814	-114.7652	-1.9	0.4	44.5
SV-2	NAVDAT	18	34.5382	-115.3700	-5.0	-3.8	48.6
NBPS-6	NAVDAT	18	34.4957	-116.1492	-1.1	1.4	48.9
12--3	NAVDAT	18	34.7817	-116.2442	0.8	4.1	50.0

TABLE DR4

11--90	NAVDAT	18	34.7670	-116.2840	-3.8	-2.3	52.7
MARB-522-23	NAVDAT	18	34.6801	-115.6390	-5.5	-4.6	52.7
MARB-522-22	NAVDAT	18	34.6810	-115.6381	-6.7	-6.1	53.0
13-22	NAVDAT	18	34.7724	-116.2432	0.5	3.7	53.1
A-2	NAVDAT	18	34.3785	-114.7620	-7.0	-6.5	53.5
PLB	NAVDAT	18	34.7882	-115.0700	-5.6	-4.7	53.8
SV-3	NAVDAT	18	34.5382	-115.3700	-8.3	-8.3	54.3
EP-1	NAVDAT	18	34.6982	-115.1500	-9.3	-9.7	56.2
TU-B	NAVDAT	18	34.6182	-115.1100	-9.2	-9.5	57.5
LP-KB	NAVDAT	18	34.6182	-115.0700	-8.2	-8.2	59.3
LP-UB3	NAVDAT	18	34.6182	-115.0700	-7.4	-7.1	61.1
1215-1	NAVDAT	18	34.3314	-114.7642	-11.5	-12.6	63.0
AG-2	NAVDAT	18	34.7745	-116.2424	-6.1	-5.3	63.2
22-10A	NAVDAT	18	34.8250	-116.3085	-3.5	-1.8	64.3
LVHL-2	NAVDAT	18	34.6450	-115.9625	-3.8	-2.3	65.8
ST-HA-2	NAVDAT	18	34.5000	-114.8600	-6.6	-6.1	66.0
P-2C	NAVDAT	18	34.7582	-115.1400	-9.6	-10.1	66.1
A-14	NAVDAT	18	34.3835	-114.7707	-9.0	-9.3	68.2
82-25	NAVDAT	18	34.8098	-116.3182	-1.7	0.7	68.3
A-4-2	NAVDAT	18	34.8055	-116.6698	-3.7	-2.1	69.1
BARS-2	NAVDAT	18	34.8768	-116.8900	-4.1	-2.6	70.0
PCST-37	NAVDAT	18	34.5000	-114.8600	-5.4	-4.4	71.0
MARB-2	NAVDAT	18	34.6683	-115.6412	-6.9	-6.4	71.9
MARB-522-24	NAVDAT	18	34.6854	-115.6498	-5.9	-5.0	73.6
1-92-3	NAVDAT	18.9	34.3497	-112.1925	-12.1	-13.5	59.2
9-94-31	NAVDAT	19.9	33.3528	-112.8522	-10.5	-11.3	61.4
MH-1	NAVDAT	20.5	34.6807	-114.3117	-7.3	-7.0	46.0
MO-5	NAVDAT	20.5	34.6821	-114.3117	-5.4	-4.4	50.9
MO-6	NAVDAT	20.5	34.6820	-114.3118	-7.2	-6.9	53.6
MO-1	NAVDAT	21	34.6833	-114.3107	-5.7	-4.8	48.5
Lr87-1	NAVDAT	21.1	33.0292	-108.1667	-4.4	-3.1	51.7
9-94-16	NAVDAT	21.3	33.7500	-111.8750	-8.1	-8.1	48.8
B188-11	NAVDAT	21.3	33.1833	-108.0292	-3.9	-2.3	50.6
B188-12	NAVDAT	21.3	33.1833	-108.0292	-3.9	-2.3	51.0
H-1	NAVDAT	21.5	34.4248	-114.2504	-2.1	0.1	45.4
Jk88-7	NAVDAT	21.9	33.7625	-108.5333	-6.3	-5.7	54.0
Jk88-6	NAVDAT	21.9	33.7625	-108.5375	-5.5	-4.5	56.0
Lp89-l	NAVDAT	22.2	33.7375	-107.8000	-5.2	-4.1	54.3
Mm89-6	NAVDAT	22.7	34.0208	-108.3500	-6.3	-5.7	55.4
PR3-72	NAVDAT	23	34.7800	-119.0900	3.8	8.1	47.1
PR3-55	NAVDAT	23	34.7800	-119.0900	4.1	8.5	48.0
VQ1	NAVDAT	23	34.4900	-118.2900	1.0	4.3	58.2
NV31	NAVDAT	23	34.7500	-118.5500	1.6	5.2	68.3
NV25	NAVDAT	23	34.7500	-118.5500	1.8	5.4	70.2
Bw88-10	NAVDAT	23.1	33.4042	-108.5750	-5.4	-4.4	52.9
Bw88-8	NAVDAT	23.1	33.4500	-108.6083	-6.5	-5.9	57.0
Bw88-5	NAVDAT	23.1	33.4500	-108.6083	-4.6	-3.3	59.7
Bm88-3	NAVDAT	23.9	33.3792	-108.2292	-8.1	-8.1	60.8
Bs87-5	NAVDAT	25	32.7208	-107.3460	-5.0	-3.8	50.9
Bl88-12	NAVDAT	25	33.1833	-108.0290	-4.0	-2.5	51.0
Bs87-3	NAVDAT	25	32.7208	-107.3460	-6.3	-5.7	51.6
Lr87-1	NAVDAT	25	33.0292	-108.1670	-4.4	-3.0	51.7

TABLE DR4

Jk89-13	NAVDAT	25	33.7500	-108.5250	-4.7	-3.5	53.3
J87-11	NAVDAT	25	32.7208	-107.3460	-4.4	-3.1	53.4
Lp89-1	NAVDAT	25	33.7375	-107.8000	-5.1	-4.0	54.3
Mm89-6	NAVDAT	25	34.0292	-108.3500	-5.7	-4.8	55.4
G-40	NAVDAT	25	33.8200	-108.7800	-7.3	-7.0	57.9
A81-23	NAVDAT	25	33.4800	-108.9300	-7.1	-6.7	59.3
5-92-19	NAVDAT	26.5	33.8750	-111.8750	-2.2	0.0	62.4
UBA 025	NAVDAT	27	32.5200	-107.1200	0.2	3.3	48.8
UBA011	NAVDAT	27	32.4500	-107.2500	-3.1	-1.3	50.8
G-23	NAVDAT	28	33.6300	-109.1200	-7.2	-6.8	74.8
G-48	NAVDAT	28	33.7500	-108.5700	-8.0	-7.9	77.4
G-11	NAVDAT	28	33.2800	-108.7300	-6.6	-6.0	82.0
CERROS	NAVDAT	28.3	34.6700	-108.3500	0.9	4.1	46.7
G-15A	NAVDAT	28.7	33.7800	-108.5300	-6.8	-6.3	71.7
H9-77	NAVDAT	28.9	33.8500	-108.0300	-6.7	-6.1	71.2
G-32	NAVDAT	29	33.6300	-108.9000	-7.0	-6.5	76.2
TTC	NAVDAT	29.7	33.7500	-108.7200	-5.7	-4.9	74.2
G-55	NAVDAT	30.1	33.7500	-108.9700	-7.9	-7.7	62.8
Bs87-3	NAVDAT	30.4	32.7208	-107.8792	-6.1	-5.3	52.0
GM-1	NAVDAT	32	31.5833	-105.5833	3.6	7.9	57.4
DM-5	NAVDAT	32	31.9000	-105.5167	5.3	10.1	59.0
CD-7	NAVDAT	32	31.9000	-105.4000	3.1	7.2	60.8
TtwR17r	NAVDAT	33.7	32.2944	-106.6110	-6.2	-5.4	60.1
G-8	NAVDAT	34	33.4300	-108.8500	-8.6	-8.7	67.2
Tss28	NAVDAT	35.46	32.2961	-106.6082	-4.8	-3.6	68.1
TssR15	NAVDAT	35.46	32.2957	-106.6098	-4.7	-3.5	68.4
TssA6	NAVDAT	35.46	32.2989	-106.5865	-6.8	-6.4	72.7
6191	NAVDAT	35.69	32.3153	-106.4833	-2.0	0.2	47.9
Tmo4-7	NAVDAT	35.69	32.3519	-106.5159	-4.0	-2.5	53.3
5592I	NAVDAT	35.69	32.3139	-106.4806	-4.2	-2.7	55.5
492I	NAVDAT	35.69	32.2583	-106.5278	-1.3	1.2	56.0
1092	NAVDAT	35.69	32.3486	-106.5167	-3.5	-1.8	56.6
4391	NAVDAT	35.69	32.3333	-106.4889	-5.0	-3.8	57.0
4491	NAVDAT	35.69	32.3333	-106.4889	-2.5	-0.5	57.1
5592	NAVDAT	35.69	32.3139	-106.4806	-4.8	-3.6	57.2
592	NAVDAT	35.69	32.3486	-106.5167	-3.5	-1.9	57.5
5692	NAVDAT	35.69	32.3139	-106.4792	-4.9	-3.8	58.3
Tmo6-9	NAVDAT	35.69	32.3517	-106.5192	-2.8	-0.9	59.6
3002	NAVDAT	35.69	32.3333	-106.5083	-3.6	-1.9	59.9
42164	NAVDAT	35.69	32.3447	-106.5167	-2.8	-0.9	60.4
6491	NAVDAT	35.69	32.3162	-106.4887	-3.2	-1.5	60.5
4992	NAVDAT	35.69	32.3139	-106.4861	-4.5	-3.1	61.4
7591	NAVDAT	35.69	32.3139	-106.4847	-4.9	-3.7	61.6
1491	NAVDAT	35.69	32.3417	-106.4875	-4.6	-3.3	61.7
1591	NAVDAT	35.69	32.3417	-106.4889	-2.4	-0.3	62.1
2392	NAVDAT	35.69	32.2875	-106.5278	-3.5	-1.8	62.1
6391	NAVDAT	35.69	32.3181	-106.4917	-4.3	-2.9	62.7
1391	NAVDAT	35.69	32.3583	-106.5056	-3.2	-1.4	62.8
4392	NAVDAT	35.69	32.3083	-106.4917	-2.5	-0.4	62.8
6591	NAVDAT	35.69	32.3139	-106.4986	-2.3	-0.2	62.9
TC2	NAVDAT	35.69	32.3559	-106.5068	-2.2	-0.1	63.1
7291	NAVDAT	35.69	32.3133	-106.4833	-5.3	-4.2	63.2

TABLE DR4

	5292	NAVDAT	35.69	32.3153	-106.4833	-4.6	-3.3	63.6
	3592	NAVDAT	35.69	32.3458	-106.5000	-2.7	-0.7	64.2
	3007	NAVDAT	35.69	32.3250	-106.5000	-2.6	-0.6	64.6
	2092	NAVDAT	35.69	32.2792	-106.5222	-2.6	-0.6	65.0
	3006	NAVDAT	35.69	32.3353	-106.5000	-2.8	-0.8	65.5
	5091	NAVDAT	35.69	32.3347	-106.4889	-3.2	-1.5	65.6
	2292	NAVDAT	35.69	32.2792	-106.5222	-2.5	-0.4	66.0
	3292	NAVDAT	35.69	32.2958	-106.5167	-2.3	-0.2	66.1
	491	NAVDAT	35.69	32.4125	-106.5917	-4.9	-3.8	66.3
	1692	NAVDAT	35.69	32.2694	-106.5167	-2.8	-0.9	66.4
	2701	NAVDAT	35.69	32.2861	-106.5347	-2.4	-0.4	66.7
	5092	NAVDAT	35.69	32.3139	-106.4833	-4.7	-3.4	67.0
	2902	NAVDAT	35.69	32.2847	-106.5514	-2.8	-0.9	67.2
	4292	NAVDAT	35.69	32.3083	-106.4917	-4.7	-3.5	68.3
	1292	NAVDAT	35.69	32.2583	-106.5111	-2.8	-0.9	68.3
	2992	NAVDAT	35.69	32.2833	-106.5472	-2.7	-0.7	68.4
	1891	NAVDAT	35.69	32.3583	-106.5083	-4.8	-3.5	68.6
	492	NAVDAT	35.69	32.2583	-106.5278	-4.0	-2.5	68.7
	2891	NAVDAT	35.69	32.3583	-106.5083	-5.0	-3.9	68.9
	4591	NAVDAT	35.69	32.3333	-106.4889	-4.3	-2.9	69.0
Tmo3		NAVDAT	35.69	32.3812	-106.5791	-4.4	-3.1	69.1
	2791	NAVDAT	35.69	32.3583	-106.5083	-4.6	-3.3	69.2
	3892	NAVDAT	35.69	32.2917	-106.5333	-4.7	-3.4	69.3
	591	NAVDAT	35.69	32.4125	-106.5917	-4.9	-3.7	69.6
	691	NAVDAT	35.69	32.4125	-106.5917	-5.0	-3.9	69.7
SUM		NAVDAT	35.69	32.3454	-106.5636	-4.1	-2.6	70.9
RE1		NAVDAT	35.69	32.3676	-106.5878	-4.0	-2.5	71.1
	2906	NAVDAT	35.69	32.2944	-106.5083	-2.7	-0.7	71.4
	3591	NAVDAT	35.69	32.4153	-106.5917	-5.1	-3.9	73.1
	3491	NAVDAT	35.69	32.4153	-106.5917	-4.9	-3.7	73.1
	3691	NAVDAT	35.69	32.4153	-106.5917	-4.9	-3.7	73.3
	1691	NAVDAT	35.69	32.3417	-106.4861	-5.0	-3.9	73.3
	3791	NAVDAT	35.69	32.2611	-106.5333	-5.1	-4.0	73.5
	292	NAVDAT	35.69	32.2611	-106.5403	-5.1	-3.9	74.4
TmoeD1		NAVDAT	35.69	32.3027	-106.5351	-5.9	-5.1	74.5
	192	NAVDAT	35.69	32.3411	-106.4917	-5.2	-4.1	76.1
AS-5		NAVDAT	36.8	32.0500	-105.5500	3.7	7.9	55.2
Al-11		NAVDAT	36.8	32.0333	-105.6333	3.4	7.5	58.9
RP009		NAVDAT	38	32.3750	-107.3750	-3.9	-2.3	58.0
Tc88-2		NAVDAT	47.5	33.0667	-108.0040	-4.7	-3.4	52.6
Rp88-8		NAVDAT	47.5	32.7500	-107.9210	-5.9	-5.1	55.5
C43		NAVDAT	52	32.6619	-110.4796	-4.5	-3.1	62.2
SF33		NAVDAT	58	32.9503	-109.6731	-3.2	-1.4	65.8
SF32		NAVDAT	58	32.9519	-109.6725	-3.2	-1.4	67.4
SF34		NAVDAT	58	32.9394	-109.6056	-8.7	-8.8	69.7
CH31		NAVDAT	60	33.0625	-110.7333	-6.6	-6.0	64.8
CH32		NAVDAT	60	33.0653	-110.7264	-6.5	-5.9	66.8
R31		NAVDAT	60	33.1789	-111.0389	-7.9	-7.8	71.8
R32		NAVDAT	60	33.1511	-110.0506	-9.1	-9.5	72.3
C31		NAVDAT	60	32.7486	-110.4806	-4.9	-3.7	73.7
C22		NAVDAT	62	32.7417	-110.4792	-5.2	-4.1	68.6
CK1		NAVDAT	64	34.2075	-112.3369	-10.8	-11.8	66.9

R42	NAVDAT	64	33.1806	-111.0583	-9.6	-10.2	68.6
R2a7	NAVDAT	64	33.0694	-111.0820	-9.9	-10.5	75.1
R21	NAVDAT	65	33.0506	-110.0631	-6.0	-5.2	68.9
T43	NAVDAT	66	31.6550	-110.0264	-7.2	-6.8	78.1
SF21	NAVDAT	69	32.9336	-109.6195	-4.5	-3.1	63.2
R1a4	NAVDAT	70	33.1592	-110.9028	-6.1	-5.4	58.9
CH14	NAVDAT	70	33.0653	-110.7264	-6.3	-5.6	61.9
CH11	NAVDAT	70	33.0803	-110.7186	-6.3	-5.6	66.8
R1a2	NAVDAT	70	33.1508	-110.8936	-7.0	-6.6	67.4
R11	NAVDAT	72	33.1333	-110.9992	-9.6	-10.1	58.0
D11	NAVDAT	72	34.8242	-113.7378	-12.2	-13.7	61.9
CB41	NAVDAT	72	34.4928	-112.5844	-9.2	-9.5	65.3
CB31	NAVDAT	72	34.4914	-112.5831	-9.3	-9.7	66.4
B61	NAVDAT	72	34.5883	-113.2078	-12.1	-13.5	69.9
D31	NAVDAT	72	34.8386	-113.7669	-13.7	-15.7	70.7
T32	NAVDAT	72	31.6833	-110.0833	-7.5	-7.3	71.7
B51	NAVDAT	73	34.5881	-113.2142	-11.2	-12.3	66.1
CB11	NAVDAT	74	34.4956	-112.5919	-13.5	-15.4	52.9
CB23	NAVDAT	74	34.4928	-112.5781	-10.3	-11.0	68.2
SF17	NAVDAT	75	32.9556	-109.6208	0.6	3.8	58.6
C13	NAVDAT	75	32.7706	-110.4828	-1.6	0.7	59.7
B42	NAVDAT	75	34.5683	-113.2303	-10.8	-11.7	65.2
C12	NAVDAT	75	32.1044	-110.4778	-2.5	-0.4	79.4
CH1	NAVDAT	76	33.0669	-110.7258	-0.2	2.6	48.6
T11	NAVDAT	76	31.6250	-110.1708	-3.9	-2.3	53.2
T22	NAVDAT	76	31.6194	-110.1667	-6.9	-6.4	64.8
T21	NAVDAT	76	31.7333	-110.1083	-6.5	-5.9	66.6
T2a5	NAVDAT	76	31.6917	-110.0833	-7.2	-6.8	71.5
B33	NAVDAT	77	34.5989	-113.1117	-12.3	-13.8	59.1
B3a1	NAVDAT	77	34.5839	-113.2036	-10.2	-10.9	66.6
B3b1	NAVDAT	78	34.5711	-113.2458	-9.9	-10.5	66.3
B22	NAVDAT	78	34.5694	-113.2375	-11.2	-12.2	76.1
PC-35 PC35-P	NAVDAT	110	34.9194	-118.7961	1.0	4.4	79.4