Science Advances

AAAS

www.advances.sciencemag.org/cgi/content/full/1/7/e1500470/DC1

Supplementary Materials for

High-precision geochronology confirms voluminous magmatism before, during, and after Earth's most severe extinction

Seth D. Burgess and Samuel A. Bowring

Published 28 August 2015, *Sci. Adv.* **1**, e1500470 (2015)
DOI: 10.1126/sciadv.1500470

The PDF file includes:

Other Supplementary Material for this manuscript includes the following:
(available at www.advances.sciencemag.org/cgi/content/full/1/7/e1500470/DC1)

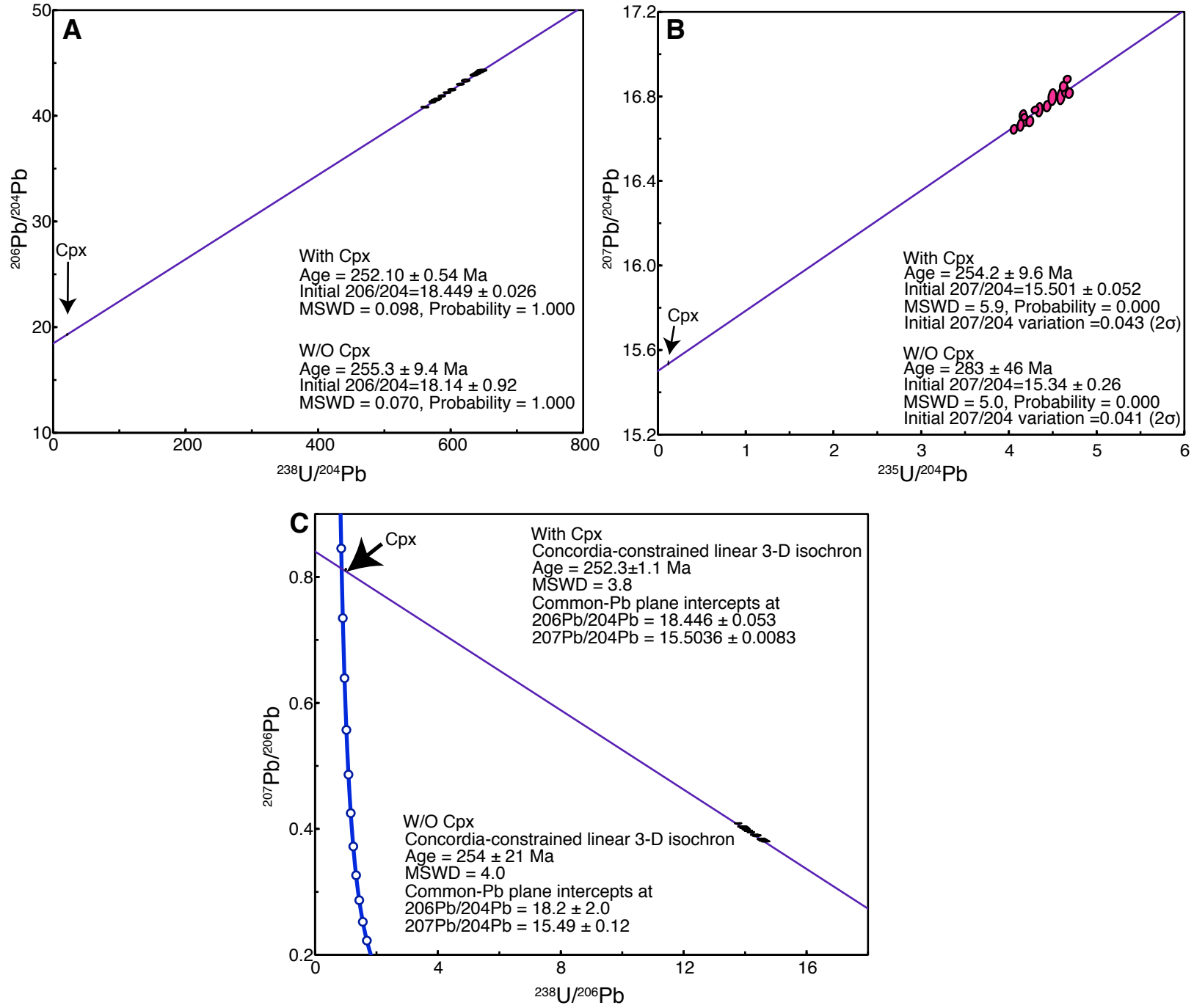

Figure S1. Perovskite and clinopyroxene isochrons for sample K08-14-3. (A) $^{206}Pb/^{238}U$ isochron. (B) $^{207}Pb/^{235}U$ isochron. (C) Linear 3D isochron. All uncertainty quoted is 2σ internal.

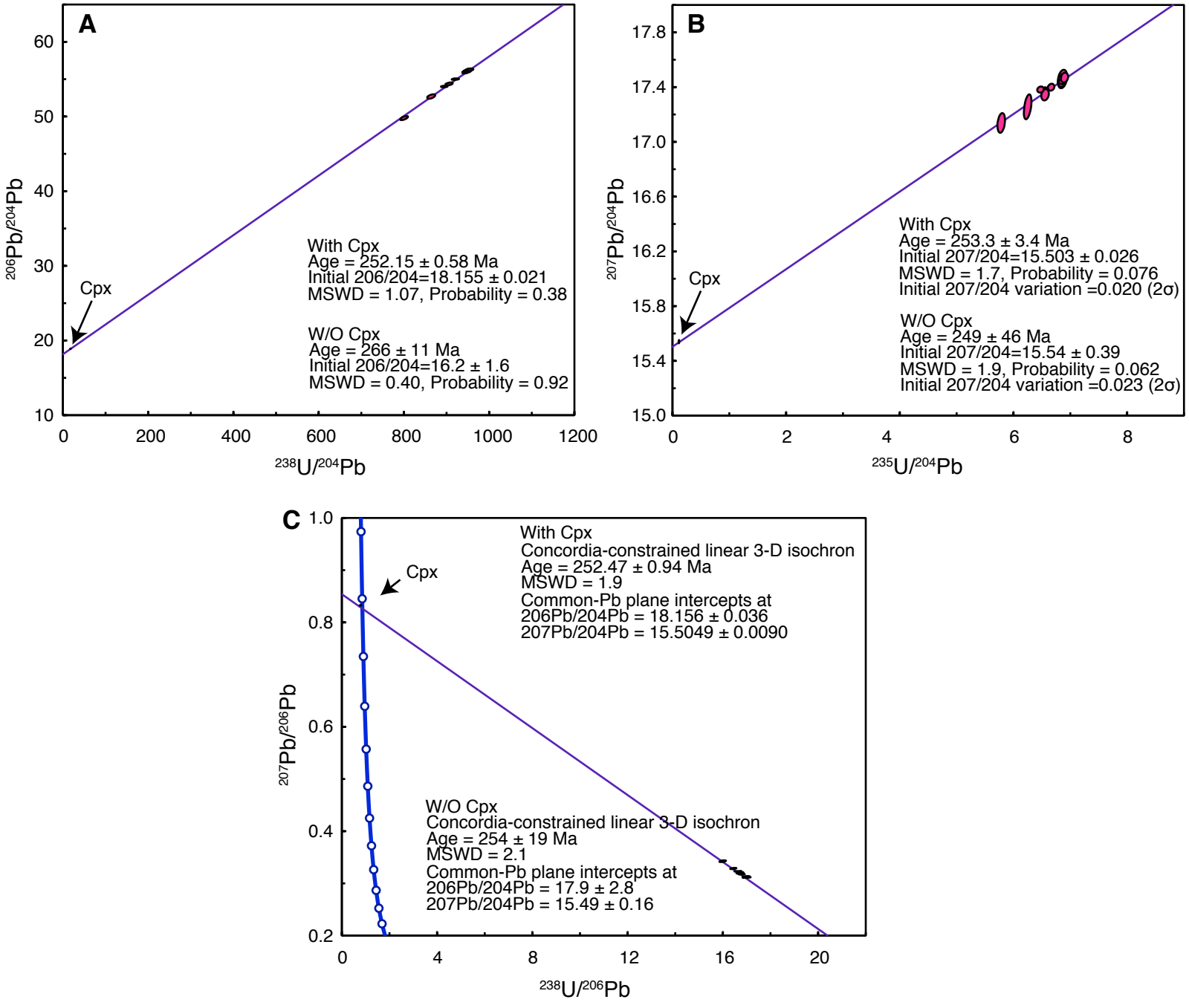

Figure S2. Perovskite and clinopyroxene isochrons for sample K09-6-1. (A) $^{206}Pb/^{238}U$ isochron. (B) $^{207}Pb/^{235}U$ isochron. (C) Linear 3D isochron. All uncertainty quoted is 2σ internal.

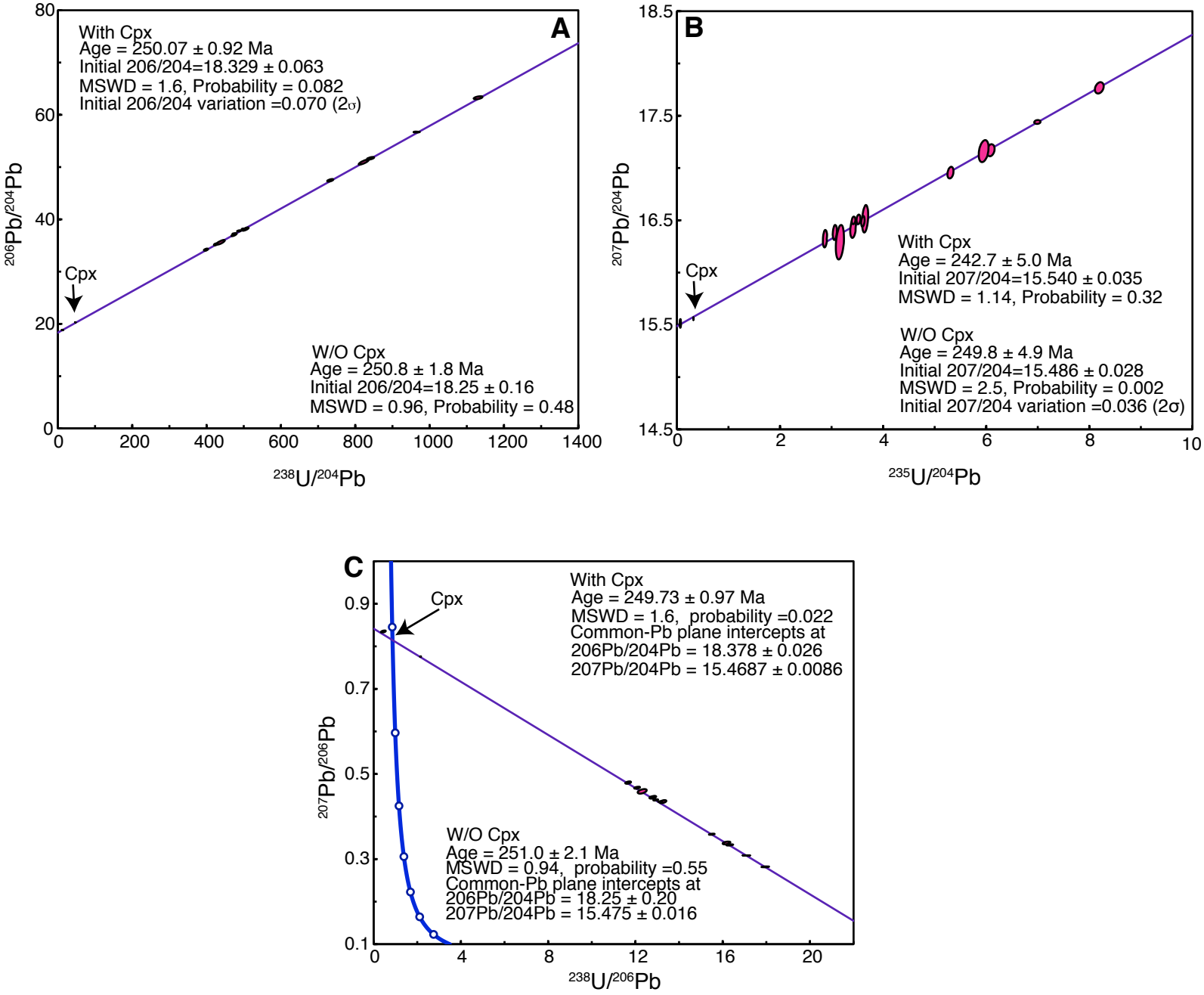

Figure S3. Perovskite and clinopyroxene isochrons for sample K09-6-2. (A) $^{206}Pb/^{238}U$ isochron. (B) $^{207}Pb/^{235}U$ isochron. (C) Linear 3D isochron. All uncertainty quoted is 2σ internal.

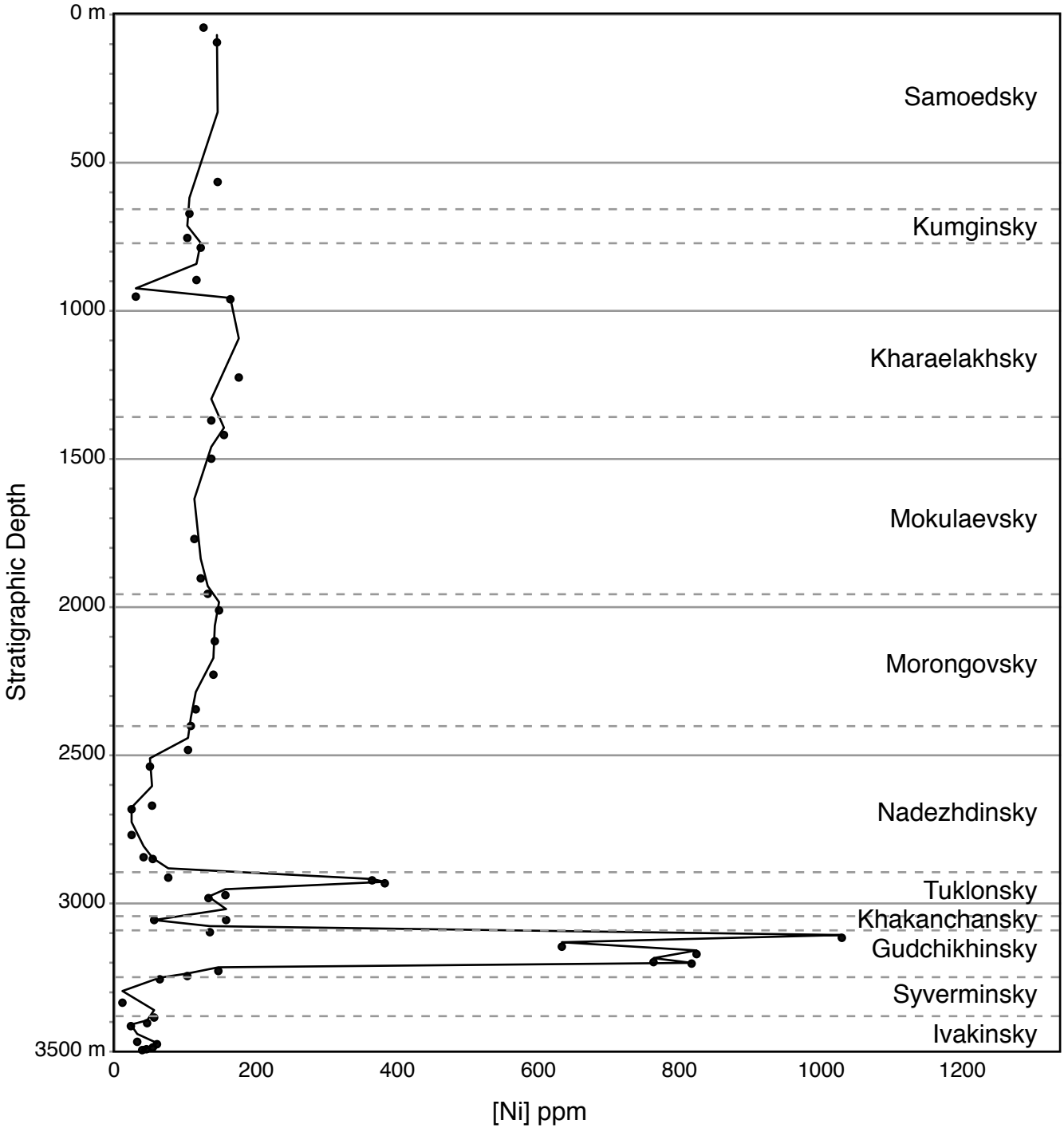

Figure S4. Nickel concentration in the Noril'sk lava stratigraphy. Nickel compositional data from (*28*). Noril'sk lava stratigraphy from (*14*).

Table S1. LA-ICPMS zircon data for Siberian Traps LIP pyroclastic rocks and lavas.

				Isotope ratios								Apparent ages (Ma)			
Sample	U	206Pb	U/Th	206Pb*	±	207Pb*	±	206Pb*	±	error	206Pb*	±	207Pb*	±	206Pb*	±
SG2610-4	(ppm)	204Pb		207Pb*	(%)	235U*	(%)	238U	(%)	corr.	238U*	(Ma)	235U	(Ma)	207Pb*	(Ma)
SG2610-4-1	367.4	9886.8	1.5	19.6	2.7	0.3	3.2	0.0	1.6	0.5	258.9	4.0	257.5	7.2	244.8	62.8
SG2610-4-5	373.6	6566.8	2.5	17.7	3.0	0.3	3.1	0.0	0.7	0.2	264.6	1.9	286.6	7.7	469.8	66.8
SG2610-4-7	82.1	7957.2	1.3	14.4	5.6	1.1	6.9	0.1	4.0	0.6	673.6	25.3	729.4	35.7	905.0	115.8
SG2610-4-8	375.8	9891.3	1.7	19.4	3.3	0.3	3.6	0.0	1.5	0.4	268.2	4.1	267.5	8.6	261.8	75.9
SG2610-4-9	485.4	47276.3	5.0	9.0	0.2	4.5	1.0	0.3	1.0	1.0	1656.2	14.7	1727.3	8.5	1814.5	3.3
SG2610-4-10	1045.6	21605.6	1.7	19.1	1.1	0.3	2.1	0.0	1.7	0.8	271.4	4.6	274.7	4.9	303.2	25.3
SG2610-4-11	98.2	5049.7	3.0	12.6	1.3	2.3	6.6	0.2	6.4	1.0	1222.2	71.5	1206.8	46.3	1179.4	26.4
SG2610-4-12	1345.5	25956.6	9.4	19.0	1.0	0.3	4.7	0.0	4.5	1.0	284.3	12.6	287.4	11.7	313.0	23.4
SG2610-4-13	510.7	6530.4	2.9	19.7	1.3	0.3	1.7	0.0	1.0	0.6	301.8	3.1	293.2	4.2	225.2	30.1
SG2610-4-14	494.3	9568.1	3.3	18.0	1.1	0.5	1.4	0.1	0.9	0.7	430.5	3.9	431.3	5.0	435.5	23.8
SG2610-4-15	290.7	34396.1	2.9	9.0	0.2	4.9	1.1	0.3	1.1	1.0	1778.6	16.9	1794.7	9.3	1813.3	3.2
SG2610-4-16	649.9	21024.1	2.7	18.7	3.1	0.3	3.7	0.0	2.1	0.6	272.0	5.5	280.6	9.1	352.9	69.7
SG2610-4-17	139.7	1935.5	2.0	21.1	6.1	0.4	6.5	0.1	2.2	0.3	341.7	7.5	308.8	17.3	66.6	145.1
SG2610-4-18	131.9	1254.5	3.0	23.7	10.0	0.2	11.0	0.0	4.6	0.4	261.6	11.9	219.5	21.8	-211.2	251.5
SG2610-4-19	258.6	849.3	1.5	41.4	19.3	0.0	19.5	0.0	2.9	0.1	74.9	2.1	38.8	7.4	-1879.8	706.4
SG2610-4-20	131.7	12062.4	2.6	8.1	0.5	6.1	1.4	0.4	1.3	0.9	1970.5	22.1	1991.4	12.2	2013.2	8.8
SG2610-4-21	435.8	4387.5	1.3	20.2	1.5	0.3	2.1	0.0	1.6	0.7	270.3	4.2	260.3	4.9	171.1	33.9
SG2610-4-23	313.8	5643.5	2.1	19.4	3.7	0.3	4.1	0.0	1.7	0.4	258.5	4.4	259.2	9.4	265.9	85.6
SG2610-4-24	291.2	13079.0	1.9	16.5	2.6	0.8	4.5	0.1	3.7	0.8	555.0	19.5	568.3	19.5	621.7	55.7
SG2610-4-25	1467.7	29198.2	2.9	18.8	0.6	0.3	4.3	0.0	4.3	1.0	284.2	11.9	290.5	11.0	341.6	13.6
SG2610-4-26	644.6	21512.0	3.3	15.7	0.4	1.0	0.9	0.1	0.8	0.9	710.6	5.2	716.9	4.4	736.7	7.8
SG2610-4-27	561.2	9021.4	3.4	17.7	4.2	0.4	4.3	0.0	0.9	0.2	297.1	2.5	317.8	11.7	472.6	93.2
SG2610-4-30	1088.6	69929.9	3.0	18.3	0.5	0.4	2.2	0.0	2.2	1.0	306.9	6.5	317.2	6.1	393.8	11.9
SG2610-4-32	213.8	3038.9	0.9	20.5	4.2	0.3	4.4	0.0	1.1	0.3	258.1	2.9	247.0	9.5	142.4	98.5
SG2610-4-33	297.6	3207.8	0.6	20.8	3.4	0.3	3.8	0.0	1.6	0.4	276.5	4.3	259.5	8.7	108.4	81.1
SG2610-4-35	321.0	4965.1	0.9	20.1	2.7	0.3	3.8	0.0	2.6	0.7	266.1	6.7	257.7	8.5	182.3	63.6
SG2610-4-36	62.6	8202.1	1.2	8.1	1.1	5.7	6.0	0.3	5.9	1.0	1878.6	95.6	1937.0	51.6	2000.2	19.3

SG2520-2																
SG2520.2-1	337.9	8314.2	2.5	17.1	1.0	0.7	2.6	0.1	2.4	0.9	502.2	11.7	511.7	10.6	554.0	22.6
SG2520.2-2	79.0	3324.1	4.1	14.0	4.1	1.6	4.7	0.2	2.3	0.5	953.6	20.2	958.1	29.1	968.6	83.6
SG2520.2-3	297.1	5575.8	1.2	18.1	3.6	0.4	4.5	0.1	2.8	0.6	325.5	8.8	337.5	13.1	421.0	80.3
SG2520.2-5	276.3	3292.6	1.7	18.5	3.4	0.6	4.5	0.1	2.9	0.7	472.9	13.2	456.5	16.4	374.9	76.0
SG2520.2-6	227.8	4359.9	5.2	16.9	2.0	0.8	2.4	0.1	1.2	0.5	610.8	7.2	601.7	10.7	567.5	44.0
SG2520.2-7	700.8	119293.4	1.6	13.8	0.5	1.4	3.0	0.1	3.0	1.0	824.5	23.1	873.6	17.7	1000.3	9.6
SG2520.2-8	304.3	4783.8	1.7	17.6	2.4	0.7	3.0	0.1	1.8	0.6	525.1	9.1	518.0	12.2	486.5	52.8
SG2520.2-9	815.4	6220.1	4.2	19.3	0.9	0.3	2.5	0.0	2.4	0.9	305.6	7.1	301.8	6.6	272.7	20.6
SG2520.2-10	233.7	4564.3	2.1	17.0	1.7	0.8	2.7	0.1	2.1	0.8	593.4	12.0	585.7	12.2	556.0	37.7
SG2520.2-11	577.0	5727.6	3.2	19.4	1.7	0.3	2.9	0.0	2.3	0.8	298.4	6.8	295.2	7.4	269.7	40.0
SG2520.2-12	182.6	4773.1	2.3	17.3	5.0	0.4	5.2	0.0	1.4	0.3	277.9	3.9	305.2	13.6	518.7	108.8
SG2520.2-13	473.9	3807.0	1.0	20.0	1.3	0.3	1.7	0.0	1.1	0.6	274.8	3.0	266.7	4.0	195.8	30.8
SG2520.2-15	190.6	1863.6	1.7	20.8	4.8	0.3	5.1	0.1	1.5	0.3	322.5	4.8	296.8	13.0	99.6	114.1
SG2520.2-17	1196.7	34350.4	2.7	18.1	0.9	0.4	1.7	0.0	1.4	0.9	302.2	4.2	316.5	4.5	423.1	19.0
SG2520.2-18	578.9	4199.8	3.2	19.8	1.6	0.3	3.9	0.0	3.5	0.9	273.5	9.5	268.4	9.2	223.9	37.3
SG2520.2-19	158.9	3824.4	2.5	17.4	5.4	0.7	6.3	0.1	3.3	0.5	523.2	16.7	521.3	25.8	513.2	118.1
SG2520.2-20	392.5	6618.5	1.4	16.2	7.2	0.7	7.3	0.1	1.5	0.2	490.5	7.3	521.3	29.8	658.5	153.5
SG2520.2-21	474.8	22949.4	1.1	17.2	1.3	0.6	2.4	0.1	2.0	0.8	443.5	8.4	459.4	8.8	539.6	29.5
SG2520.2-22	889.9	41889.5	2.2	8.5	0.2	5.9	1.9	0.4	1.9	1.0	1984.4	32.0	1956.5	16.4	1927.1	4.0
SG2520.2-23	372.0	8952.2	1.9	17.0	1.1	0.7	2.3	0.1	2.0	0.9	505.7	9.7	515.7	9.3	560.1	24.5
SG2520.2-24	496.9	8711.1	1.2	17.2	1.1	0.7	1.6	0.1	1.2	0.7	515.6	5.7	519.5	6.5	536.8	24.3
SG2520.2-25	395.9	20817.9	2.0	16.6	3.1	0.3	3.3	0.0	1.2	0.4	266.0	3.2	304.4	8.7	610.5	66.2
R06-12B																
R06-12B-1	520.2	18534.8	2.1	17.3	1.6	0.7	8.7	0.1	8.6	1.0	508.4	41.9	509.8	35.0	516.3	35.6
R06-12B-2	287.1	4166.9	1.4	19.6	4.1	0.3	5.8	0.0	4.1	0.7	287.5	11.6	282.3	14.4	238.9	95.0
R06-12B-3	246.3	5679.5	1.1	18.0	2.1	0.6	2.6	0.1	1.5	0.6	460.0	6.5	456.4	9.4	438.0	46.7
R06-12B-5	166.4	3138.9	1.7	19.9	7.9	0.3	8.5	0.0	3.1	0.4	301.3	9.3	290.6	21.4	205.9	182.6
R06-12B-6	350.1	9844.0	5.1	17.2	2.2	0.6	5.2	0.1	4.7	0.9	482.9	21.8	492.3	20.3	536.2	49.0
R06-12B-7	576.7	8383.4	1.4	19.2	3.2	0.3	5.3	0.0	4.2	0.8	303.5	12.6	302.4	13.9	294.6	72.6
R06-12B-9	222.6	2413.1	1.1	21.4	5.0	0.3	5.3	0.0	1.9	0.4	295.0	5.5	267.4	12.5	32.0	119.0
R06-12B-10	325.2	6960.2	1.1	17.5	1.7	0.6	3.0	0.1	2.5	0.8	490.0	11.7	492.1	11.8	502.1	37.9
R06-12B-12	250.9	2553.3	1.4	21.9	6.9	0.3	8.2	0.0	4.4	0.5	299.6	12.8	265.9	19.1	-20.7	167.1
R06-12B-13	369.3	25665.7	1.6	8.6	0.5	5.7	3.0	0.4	3.0	1.0	1968.2	51.0	1931.4	26.3	1892.1	8.8
R06-12B-14	477.2	4487.9	1.7	19.6	3.5	0.3	4.2	0.0	2.3	0.5	308.1	6.8	300.4	10.9	241.3	81.0

R06-12B-15	217.4	2270.2	1.1	20.9	6.7	0.3	7.1	0.0	2.5	0.3	304.4	7.3	281.6	17.6	95.9	158.8
R06-12B-16	268.0	3083.8	0.9	17.9	9.1	0.4	11.1	0.1	6.3	0.6	346.5	21.3	359.1	33.5	441.9	202.9
R06-12B-2	710.1	108516.6	9.4	8.6	0.4	4.7	7.5	0.3	7.5	1.0	1645.2	109.4	1765.1	63.2	1910.1	6.9
R06-12B-3	417.2	5235.8	1.1	19.4	2.9	0.3	4.9	0.0	4.0	0.8	297.8	11.5	294.5	12.5	267.9	66.3
R06-12B-4	159.5	2433.2	1.0	19.0	5.6	0.4	6.8	0.1	3.9	0.6	379.4	14.3	370.7	21.0	316.4	126.5
R06-12B-5	205.8	2800.9	4.8	20.9	7.1	0.3	8.4	0.1	4.6	0.5	320.5	14.5	293.9	21.6	88.1	167.7
R06-12B-6	215.1	4364.7	1.2	17.4	3.9	0.6	5.0	0.1	3.2	0.6	498.0	15.5	500.1	19.9	509.6	85.2
R06-12B-7	199.2	1662.5	1.3	23.6	12.3	0.2	12.6	0.0	2.8	0.2	260.6	7.1	219.1	24.9	-205.6	310.4
R06-12B-8	226.5	3815.6	2.4	17.8	3.9	0.6	5.5	0.1	3.9	0.7	484.0	18.3	479.6	21.2	458.4	86.5
M09-5-3																
M09-5-3-1	35.8	1745.3	0.7	22.0	57.8	0.2	58.7	0.0	9.8	0.2	233.8	22.6	211.1	112.3	-35.4	1525.8
M09-5-3-2	32.7	2470.9	0.7	26.7	64.7	0.2	65.1	0.0	6.9	0.1	259.8	17.6	195.4	116.2	-526.6	1922.5
M09-5-3-3	40.0	3295.8	0.8	20.0	79.3	0.3	80.0	0.0	10.5	0.1	235.3	24.3	231.9	167.3	197.9	2257.3
M09-5-3-5	45.1	1324.7	0.6	28.5	35.9	0.2	36.5	0.0	6.5	0.2	236.8	15.2	168.6	56.8	-706.4	1025.7
M09-5-3-6	25.8	1476.1	0.8	19.3	55.2	0.3	55.8	0.0	7.9	0.1	248.7	19.4	251.8	125.0	280.2	1365.3
M09-5-3-8	34.9	2220.9	0.6	27.1	55.2	0.2	56.3	0.0	11.4	0.2	235.1	26.3	175.8	91.2	-563.1	1596.0
M09-5-3-9	50.9	2073.3	0.7	21.5	26.9	0.3	27.4	0.0	4.8	0.2	253.0	11.9	232.4	56.9	29.0	655.8
M09-5-3-10	26.3	1422.3	0.8	14.3	101.5	0.4	102.5	0.0	13.8	0.1	251.5	34.2	329.8	296.7	927.3	365.6
M09-5-3-11	36.8	1818.7	0.7	19.3	30.1	0.3	33.2	0.0	14.2	0.4	252.5	35.1	255.5	75.2	282.8	701.7
M09-5-3-14	59.8	1745.8	0.8	21.2	23.1	0.2	25.5	0.0	10.8	0.4	239.7	25.4	223.8	51.2	59.5	556.2
K08-11-1																
K08-11-4-1	396.4	29836.3	10.4	13.1	0.9	1.9	2.1	0.2	1.9	0.9	1075.7	18.5	1083.8	13.8	1100.0	17.9
K08-11-4-2	144.0	3000.1	3.5	19.7	14.4	0.5	15.0	0.1	4.4	0.3	405.2	17.2	380.5	47.7	232.5	333.3
K08-11-4-3	3041.4	67927.4	1.9	19.2	0.6	0.3	3.5	0.0	3.5	1.0	274.7	9.4	275.8	8.6	285.1	14.4
K08-11-4-7	330.3	6863.4	33.5	17.0	5.9	0.4	15.8	0.0	14.7	0.9	314.2	45.0	345.0	46.2	557.9	128.1
K08-11-4-8	88.2	1338.7	1.4	18.5	13.6	0.5	15.2	0.1	6.6	0.4	395.5	25.4	392.4	49.4	374.5	308.4
K08-7-1																
K08-7-1-1	240.0	30646.5	1.2	19.1	5.1	0.3	7.4	0.0	5.3	0.7	256.5	13.4	260.4	16.9	296.2	115.6
K08-7-1-2	245.0	8809.3	1.7	20.4	9.6	0.3	10.2	0.0	3.6	0.4	235.8	8.4	227.7	20.9	144.3	225.1
K08-7-1-3	298.7	6724.0	16.1	8.8	1.3	5.0	12.4	0.3	12.3	1.0	1779.5	191.7	1819.5	105.2	1865.5	22.8
K08-7-1-4	444.5	38389.0	2.3	19.5	2.7	0.3	4.0	0.0	3.0	0.7	276.7	8.0	274.2	9.7	252.4	63.0
K08-7-1-5	174.7	110056.4	2.3	8.9	0.4	5.0	1.0	0.3	0.9	0.9	1818.6	15.0	1823.0	8.8	1828.1	7.9
K08-7-1-6	553.0	56969.4	2.3	19.0	3.0	0.4	4.3	0.1	3.1	0.7	372.1	11.1	364.5	13.2	316.7	68.8
K08-7-1-7	56.1	5570.2	2.7	17.1	9.7	0.6	10.8	0.1	4.7	0.4	487.7	22.3	499.4	42.8	553.6	212.9
K08-7-1-8	629.5	29446.9	1.1	19.5	3.2	0.3	6.0	0.0	5.0	0.8	276.9	13.7	274.6	14.4	254.5	74.5

K08-7-1-9	96.7	10834.6	0.7	18.3	12.8	0.4	13.3	0.1	3.4	0.3	317.1	10.7	327.3	37.2	400.7	288.8
K08-7-1-10	754.4	82577.8	2.5	8.9	0.5	5.0	1.3	0.3	1.2	0.9	1797.0	18.8	1819.0	10.9	1844.3	8.6
K08-7-1-11	141.1	22098.2	1.8	17.8	4.0	0.6	4.8	0.1	2.6	0.6	474.1	12.0	471.1	17.9	456.1	87.9
K08-7-1-12	209.7	30126.4	5.9	17.6	3.2	0.6	4.0	0.1	2.5	0.6	502.5	12.0	499.1	15.8	483.6	69.6
K08-7-1-14	539.5	54687.0	2.1	18.2	10.9	0.4	12.0	0.0	4.9	0.4	295.8	14.2	309.8	32.0	415.9	244.8
K08-7-1-15	248.1	35090.3	1.5	15.0	2.2	1.3	3.2	0.1	2.3	0.7	840.3	17.9	836.9	18.0	828.0	45.6
K08-7-1-16	502.4	26191.8	1.2	19.3	3.5	0.3	5.8	0.0	4.7	0.8	265.4	12.1	266.9	13.6	279.6	79.2
K08-7-1-19	212.2	15187.1	1.4	18.2	11.1	0.4	11.5	0.0	3.0	0.3	305.5	8.8	318.4	31.5	414.2	249.7
K08-7-1-20	419.7	51067.4	1.8	19.2	2.6	0.3	3.9	0.0	2.9	0.7	306.6	8.6	304.1	10.2	284.6	59.7
K08-7-1-21	322.8	15097.1	7.2	19.3	6.5	0.4	7.9	0.1	4.5	0.6	321.1	13.9	315.5	21.4	274.4	149.6
K08-7-1-23	546.4	143539.1	1.2	15.1	1.2	1.2	3.1	0.1	2.9	0.9	809.8	22.1	810.4	17.4	812.2	24.1
K08-7-1-25	695.2	135096.1	2.6	17.3	1.1	0.6	8.4	0.1	8.3	1.0	462.1	37.1	471.8	31.7	518.9	24.8
K08-7-1-26	589.9	5025.3	1.5	18.1	4.7	0.4	4.9	0.0	1.1	0.2	291.9	3.1	306.8	12.9	421.4	106.0
K08-7-1-27	189.5	6626.9	3.9	17.9	12.1	0.3	12.3	0.0	2.2	0.2	279.5	6.1	298.2	31.7	447.6	268.8
K08-7-1-28	118.9	24731.7	1.8	17.6	9.7	0.5	10.2	0.1	3.2	0.3	401.5	12.4	413.8	34.8	483.2	214.9
K08-7-1-29	196.0	21096.1	1.6	17.2	4.4	0.7	5.6	0.1	3.4	0.6	510.0	16.8	514.0	22.4	531.7	96.2
K08-7-1-30	215.2	14666.5	1.5	21.4	11.7	0.3	11.9	0.0	2.5	0.2	268.0	6.5	245.2	26.0	32.7	280.6
K08-7-1-31	86.1	6128.1	1.6	19.9	16.4	0.3	16.9	0.0	4.3	0.3	304.1	12.6	293.0	43.0	205.4	381.7
K08-7-1-32	283.2	23121.2	1.1	17.6	24.6	0.4	25.6	0.0	7.1	0.3	290.7	20.1	313.1	69.1	483.4	551.0
K08-7-1-33	220.0	11055.3	5.3	20.0	7.4	0.3	9.8	0.0	6.5	0.7	307.3	19.4	295.1	25.1	200.2	171.9
K08-7-1-35	382.7	38445.4	1.1	19.5	3.8	0.3	4.7	0.0	2.8	0.6	302.2	8.3	296.9	12.2	255.4	87.4
K08-7-1-36	152.9	5003.7	0.9	16.5	28.0	0.4	29.9	0.0	10.5	0.4	289.6	29.8	329.3	84.4	620.0	616.1
K08-7-1-37	177.8	24504.1	0.8	19.1	11.8	0.4	15.7	0.1	10.3	0.7	361.9	36.3	353.5	46.9	298.7	271.1
K08-7-1-38	83.1	3213.6	1.2	27.0	21.3	0.2	21.6	0.0	3.7	0.2	291.5	10.5	215.6	42.0	-550.6	578.5
A10-21-2																
A10-21-2-1	152.0	6878.6	0.9	20.8	16.6	0.3	17.1	0.0	4.1	0.2	292.7	11.6	272.1	40.7	98.0	394.2
A10-21-2-5	207.8	5023.5	7.2	18.9	40.2	0.1	40.8	0.0	7.1	0.2	92.3	6.5	101.7	39.5	329.0	947.0
A10-21-2-6	74.8	3764.5	1.3	17.1	11.0	0.6	11.2	0.1	2.1	0.2	479.7	9.5	492.4	43.8	552.0	241.3
A10-21-2-8	236.0	17020.7	1.9	17.6	4.4	0.6	4.5	0.1	1.0	0.2	440.5	4.5	447.9	16.2	485.9	96.2
A10-21-2-9	132.2	22491.7	3.2	8.6	2.0	5.2	4.1	0.3	3.6	0.9	1817.9	57.5	1854.5	35.3	1895.9	36.0
A10-13-3																
A10-13-3	532.1	79649.2	4.4	16.8	0.9	0.7	2.7	0.1	2.5	0.9	533.1	12.8	543.7	11.2	588.5	19.3
A10-13-3-1	65.3	4042.9	0.6	20.7	20.9	0.3	21.1	0.0	2.3	0.1	239.0	5.4	227.6	43.0	111.3	499.0
A10-13-3-2	1025.1	46124.3	2.4	18.9	1.2	0.4	2.8	0.0	2.5	0.9	303.4	7.5	305.5	7.4	321.2	26.5
A10-13-3-3	225.5	49829.8	3.3	18.3	2.8	0.6	4.4	0.1	3.4	0.8	488.1	15.9	472.5	16.5	397.3	62.3

A10-13-3-4	40.1	13616.2	2.3	15.7	10.0	0.7	11.2	0.1	5.1	0.5	499.0	24.3	542.8	47.1	731.5	211.9
A10-13-3-5	252.0	15043.9	1.3	18.3	4.8	0.3	6.8	0.0	4.8	0.7	285.6	13.4	298.3	17.6	398.6	108.1
A10-13-3-6	184.0	159407.0	1.7	8.8	0.6	5.2	3.3	0.3	3.2	1.0	1823.6	51.2	1844.5	27.9	1868.2	10.2
A10-13-3-7	43.7	7077.3	1.3	22.0	14.7	0.3	16.0	0.0	6.3	0.4	307.9	18.9	271.8	38.1	-28.5	357.1
A10-13-3-8	305.7	64230.5	2.1	17.3	3.6	0.6	6.2	0.1	5.1	0.8	484.0	23.6	490.1	24.2	518.8	79.0
A10-13-3-9	112.1	30755.9	2.2	17.2	4.6	0.7	5.6	0.1	3.3	0.6	503.8	15.9	509.2	22.6	533.3	100.7
A10-13-3-10	337.6	53247.7	1.2	19.1	3.8	0.3	7.8	0.0	6.8	0.9	283.3	18.9	285.1	19.4	299.9	87.0
A10-13-3-11	161.2	26503.6	2.0	17.3	3.3	0.6	4.4	0.1	2.8	0.6	496.7	13.5	502.4	17.3	528.6	73.2
A10-13-3-12	135.9	19474.5	1.4	19.2	8.7	0.4	9.2	0.1	2.9	0.3	317.4	9.0	313.9	24.7	287.8	198.9
A10-13-3-13	185.5	27826.3	2.2	18.4	3.6	0.5	6.2	0.1	5.0	0.8	394.2	19.3	392.1	20.2	379.6	81.5
A10-13-3-14	49.4	13981.7	2.7	18.0	14.8	0.6	16.8	0.1	8.1	0.5	488.2	38.0	478.9	64.3	434.7	330.2
A10-13-3-15	91.4	41347.0	2.1	8.8	1.8	5.3	2.7	0.3	2.0	0.7	1868.4	32.0	1864.0	22.8	1859.1	32.5
A10-13-3-16	106.6	22516.9	2.1	16.7	11.1	0.6	11.9	0.1	4.3	0.4	453.7	18.6	478.9	45.5	601.2	241.2
A10-13-3-17	180.2	256429.7	1.7	8.7	0.4	5.1	4.1	0.3	4.1	1.0	1785.6	63.8	1828.8	34.9	1878.4	7.7
A10-13-3-18	44.1	3393.2	0.7	23.7	37.3	0.2	37.6	0.0	5.2	0.1	262.5	13.5	220.0	74.6	-213.6	964.9
A10-13-3-20	292.2	42912.4	5.1	19.1	6.0	0.4	6.4	0.0	2.0	0.3	311.3	6.2	310.7	17.0	306.7	137.4
A10-13-3-21	123.6	13349.2	1.6	16.8	5.8	0.7	11.3	0.1	9.7	0.9	559.0	52.0	563.7	49.0	582.7	125.9
A10-13-3-22	121.1	155684.4	1.6	8.8	1.3	5.2	6.9	0.3	6.8	1.0	1836.3	107.9	1851.0	58.7	1867.6	24.2
A10-13-3-23	264.8	68325.6	3.2	18.0	3.3	0.5	3.6	0.1	1.6	0.4	425.5	6.5	426.0	12.6	428.8	72.8
A10-13-3-24	480.3	94352.6	3.2	17.5	0.9	0.6	1.3	0.1	1.0	0.7	490.4	4.6	491.4	5.2	496.2	20.1
A10-13-3-25	93.9	15771.9	1.4	18.6	7.5	0.6	8.7	0.1	4.5	0.5	464.1	20.3	447.4	31.6	362.2	168.7
A10-13-3-27	32.2	5197.2	2.1	18.7	29.9	0.4	30.8	0.1	7.4	0.2	333.0	23.9	335.2	88.1	351.0	689.5
A10-13-3-28	157.1	51171.0	1.7	19.1	6.4	0.4	7.2	0.0	3.2	0.4	311.3	9.7	309.9	19.1	298.9	146.5
A10-13-3-29	147.0	8260.8	0.4	20.7	8.9	0.3	9.4	0.0	2.8	0.3	259.7	7.0	245.5	20.4	111.9	211.3
A10-13-3-30	185.2	22314.4	2.1	19.6	5.6	0.3	7.4	0.0	4.8	0.6	256.7	12.0	254.8	16.6	237.5	129.6
K09-13-1																
K09-13-1-1	651.4	44480.9	1.0	18.9	1.6	0.3	9.1	0.0	9.0	1.0	298.7	26.2	301.4	23.8	321.8	35.9
K09-13-1-2	135.7	21831.6	1.5	19.6	7.3	0.3	10.0	0.0	6.8	0.7	311.3	20.7	303.2	26.1	241.1	167.5
K09-13-1-3	125.5	4958.6	1.8	20.4	5.6	0.3	6.2	0.0	2.7	0.4	297.1	7.8	280.6	15.2	145.4	130.7
K09-13-1-4	287.2	11373.6	1.2	19.6	3.1	0.3	3.8	0.0	2.2	0.6	297.2	6.3	291.3	9.7	245.0	72.6
K09-13-1-5	118.2	5569.4	1.3	16.1	13.6	0.4	13.8	0.0	2.6	0.2	306.3	7.9	353.9	41.4	679.3	291.4
K09-13-1-6	276.6	16482.0	2.0	19.0	3.0	0.4	3.3	0.1	1.5	0.4	325.6	4.7	324.0	9.3	312.4	68.3
K09-13-1-7	73.8	1894.2	0.9	19.6	11.7	0.3	13.1	0.0	5.7	0.4	306.7	17.2	298.7	33.8	236.6	271.6
K09-13-1-8	394.3	36307.0	0.8	18.9	1.4	0.3	2.2	0.0	1.7	0.8	292.9	4.8	297.1	5.7	329.8	32.2
K09-13-1-11	251.4	16921.4	2.3	17.8	2.9	0.6	4.1	0.1	2.9	0.7	487.9	13.5	483.9	15.7	465.3	64.4

K09-13-1-12	290.2	16860.0	4.0	17.6	1.5	0.6	1.8	0.1	1.1	0.6	501.1	5.2	497.5	7.1	480.7	32.3
K09-13-1-13	250.8	10587.8	1.2	19.5	2.8	0.3	3.2	0.0	1.4	0.4	298.2	4.0	292.6	8.0	248.5	65.4
K09-13-1-14	64.7	2258.1	0.9	20.5	15.8	0.3	16.1	0.0	3.3	0.2	289.7	9.4	273.9	38.8	141.1	372.7
K09-13-1-15	242.0	6367.0	0.8	19.7	3.0	0.3	5.2	0.0	4.3	0.8	299.8	12.6	292.6	13.3	235.5	68.4
K09-13-1-17	92.7	3217.2	0.8	19.7	7.5	0.4	8.9	0.1	4.8	0.5	361.2	16.8	343.7	25.9	226.6	173.6
K09-13-1-18	167.5	9173.3	6.2	17.8	2.5	0.6	3.9	0.1	3.0	0.8	497.0	14.6	490.8	15.3	461.6	54.9
K09-13-1-19	464.5	38118.8	5.3	16.8	2.7	0.6	3.8	0.1	2.7	0.7	486.0	12.5	503.2	15.1	582.2	58.8
K09-13-1-20	222.6	5186.5	0.8	20.1	3.7	0.3	4.8	0.0	3.0	0.6	293.2	8.5	281.0	11.7	180.9	87.3
K09-13-1-21	1187.8	81971.1	19.9	14.8	2.0	1.1	4.1	0.1	3.6	0.9	691.9	23.4	730.4	21.4	850.6	42.4
K09-13-1-22	158.4	7024.4	3.3	18.1	3.9	0.6	4.0	0.1	0.9	0.2	490.5	4.3	478.9	15.4	423.7	87.5
K09-13-1-23	131.2	22952.9	1.5	8.7	0.5	5.3	2.0	0.3	1.9	1.0	1853.1	30.5	1862.9	16.7	1873.9	8.6
K09-13-1-24	271.0	11439.8	7.0	17.8	1.9	0.6	2.2	0.1	1.1	0.5	492.1	5.1	487.2	8.4	464.2	42.1
K09-13-1-25	244.2	5883.9	0.8	19.2	3.9	0.3	4.5	0.0	2.2	0.5	299.2	6.5	297.9	11.7	287.3	89.9
K09-13-50.1	138.7	18249.0	0.6	19.5	7.1	0.3	7.2	0.0	1.2	0.2	264.3	3.1	263.5	16.8	256.7	164.0
KO9-13-1-15.1	240.5	50915.7	1.7	19.7	1.5	0.3	2.1	0.0	1.5	0.7	266.6	3.9	262.9	4.9	230.1	35.1
KO9-13-1-32.1	105.4	9107.7	1.1	19.0	9.2	0.3	10.3	0.0	4.7	0.5	275.5	12.7	279.0	25.1	308.0	208.8
KO9-13-1-5.1	105.3	22592.7	0.8	20.7	6.2	0.3	7.1	0.0	3.6	0.5	289.9	10.2	271.3	17.0	113.7	145.4
KO9-13-1-7.1	166.8	22148.2	1.2	18.6	4.3	0.4	4.5	0.0	1.0	0.2	298.3	3.0	305.4	11.8	360.3	98.1
KO9-13-1-30.1	578.3	67279.6	1.5	19.3	1.0	0.3	4.0	0.0	3.8	1.0	298.7	11.2	296.8	10.2	281.5	23.6
KO9-13-1-21.1	301.8	50504.0	1.0	18.9	3.4	0.3	5.1	0.0	3.8	0.7	299.4	11.1	302.1	13.3	322.7	77.4
KO9-13-1-3.1	107.3	1937.6	2.0	17.3	9.6	0.4	9.9	0.0	2.3	0.2	299.9	6.8	326.4	27.6	520.1	211.1
KO9-13-1-31.1	377.2	55723.9	1.4	19.2	2.3	0.3	3.4	0.0	2.5	0.7	303.4	7.3	301.1	8.7	283.8	52.3
KO9-13-1-27.1	126.2	21931.9	0.8	20.3	5.8	0.3	7.0	0.0	3.9	0.6	303.6	11.5	287.8	17.4	161.8	134.9
KO9-13-1-24.1	196.3	24365.0	1.3	18.8	3.9	0.4	6.0	0.0	4.5	0.8	304.4	13.5	308.9	16.0	343.0	89.2
KO9-13-53.1	215.7	43683.8	0.6	18.9	3.4	0.4	4.5	0.0	2.9	0.6	305.7	8.6	308.5	11.9	329.8	77.5
KO9-13-1-19.1	366.0	6330.8	2.0	18.6	3.2	0.4	4.7	0.0	3.5	0.7	306.1	10.5	312.9	12.8	364.3	71.5
KO9-13-46.1	319.0	61551.7	1.3	19.0	2.0	0.4	3.0	0.0	2.2	0.7	306.1	6.6	306.3	7.8	307.7	45.3
KO9-13-41.1	53.4	7508.4	1.3	19.9	11.4	0.3	12.0	0.0	3.7	0.3	306.4	11.1	295.4	30.7	209.3	264.8
KO9-13-55.1	160.9	24579.1	1.7	18.7	4.3	0.4	6.2	0.0	4.5	0.7	306.7	13.5	311.7	16.7	349.7	97.2
KO9-13-1-36.1	336.1	38210.2	1.3	19.2	2.3	0.4	3.2	0.0	2.3	0.7	308.4	6.8	306.6	8.5	293.2	52.0
KO9-13-52.1	228.7	22567.2	1.2	19.3	2.0	0.4	5.0	0.0	4.6	0.9	310.4	13.9	307.0	13.2	281.4	45.3
KO9-13-44.1	249.3	16837.1	1.5	18.3	1.6	0.4	2.8	0.1	2.3	0.8	317.4	7.1	326.7	7.9	393.1	37.0
KO9-13-43.1	158.1	43259.0	1.0	19.2	4.8	0.4	5.6	0.1	3.0	0.5	317.6	9.2	314.5	15.2	291.8	108.6
KO9-13-54.1	184.9	13291.7	1.3	19.7	4.2	0.4	4.9	0.1	2.5	0.5	319.8	7.9	308.7	13.1	226.1	97.7
KO9-13-1-14.1	222.3	206198.3	3.9	19.0	3.3	0.4	4.1	0.1	2.4	0.6	320.6	7.4	319.1	11.1	308.1	75.1
KO9-13-1-1.1	271.2	43969.0	1.5	18.7	2.5	0.4	2.6	0.1	0.9	0.3	323.8	2.7	327.7	7.4	354.9	56.2

KO9-13-47.1	131.8	22136.1	3.2	19.1	4.2	0.4	8.1	0.1	6.9	0.9	333.6	22.5	329.0	22.7	296.7	95.0
KO9-13-1-20.1	113.3	32140.2	0.8	19.4	5.6	0.4	5.8	0.1	1.3	0.2	342.7	4.3	332.9	16.4	265.5	129.4
KO9-13-1-40.1	222.1	3630.5	1.7	18.0	7.0	0.5	7.1	0.1	1.3	0.2	370.2	4.8	380.1	22.5	440.7	154.9
KO9-13-1-4.1	472.9	9738.6	1.2	17.7	2.0	0.6	3.0	0.1	2.3	0.8	461.5	10.3	462.3	11.3	466.0	43.5
KO9-13-45.1	253.2	69388.0	1.6	17.8	1.4	0.6	3.5	0.1	3.3	0.9	464.2	14.6	462.6	13.2	454.6	31.5
KO9-13-1-33.1	94.5	26897.6	0.9	17.2	5.5	0.6	6.3	0.1	3.2	0.5	472.2	14.4	482.3	24.2	530.7	119.6
KO9-13-1-26.1	641.2	29764.6	2.4	17.4	2.3	0.6	17.6	0.1	17.4	1.0	477.4	80.1	482.1	67.5	504.7	50.5
KO9-13-1-39.1	176.9	29799.6	0.8	17.7	1.6	0.6	2.7	0.1	2.2	0.8	496.5	10.4	491.8	10.5	470.5	35.8
KO9-13-1-34.1	21.8	3326.3	1.8	19.5	24.9	0.6	29.1	0.1	15.1	0.5	498.1	72.2	456.2	107.4	250.0	581.6
KO9-13-1-8.1	182.3	9031.2	1.4	17.0	6.2	0.7	7.3	0.1	3.9	0.5	499.5	18.8	510.5	29.4	560.3	135.0
KO9-13-42.1	137.9	29687.1	10.6	17.4	3.4	0.6	3.9	0.1	1.8	0.5	503.7	8.7	503.8	15.4	503.9	75.7
KO9-13-1-9.1	132.1	24130.3	1.6	17.3	3.5	0.6	5.5	0.1	4.3	0.8	504.3	20.8	508.3	22.1	526.7	76.6
KO9-13-1-2.1	40.3	11149.3	1.4	18.5	6.1	0.6	7.5	0.1	4.3	0.6	504.7	21.1	481.2	28.7	370.7	137.5
KO9-13-1-25.1	516.8	68706.9	1.3	17.3	0.6	0.6	1.7	0.1	1.6	0.9	504.8	7.9	507.3	7.0	518.4	13.9
KO9-13-1-38.1	546.0	50318.9	2.1	17.6	0.8	0.6	3.8	0.1	3.7	1.0	505.4	18.1	502.0	15.1	486.9	17.8
KO9-13-49.1	212.6	6454.4	4.5	17.5	2.6	0.7	3.9	0.1	2.9	0.8	519.7	14.6	515.6	15.7	497.5	56.5
KO9-13-48.1	245.2	18836.9	5.9	17.0	4.1	0.7	4.7	0.1	2.3	0.5	528.2	11.9	534.3	19.5	560.3	88.7
KO9-13-56.1	111.6	5373.7	1.5	17.2	2.8	0.7	10.5	0.1	10.1	1.0	531.6	51.7	532.0	43.5	533.4	61.3
KO9-13-1-10.1	392.8	7913.1	2.6	16.9	4.1	0.7	4.3	0.1	1.4	0.3	543.0	7.2	549.8	18.2	578.0	88.1
KO9-13-1-35.1	181.3	39169.8	2.3	17.3	3.6	0.7	4.1	0.1	2.0	0.5	570.1	10.7	559.6	17.6	517.1	78.9
KO9-13-1-28.1	102.4	15507.4	0.8	16.5	2.5	0.8	3.1	0.1	1.9	0.6	597.2	10.8	603.6	14.1	627.7	52.8
K09-13-1-37.1	75.3	20293.3	2.8	14.8	3.2	1.3	4.1	0.1	2.5	0.6	839.5	19.5	845.2	23.2	860.0	66.6
K09-13-1-16.1	88.1	48641.5	1.0	14.9	1.4	1.4	1.8	0.1	1.1	0.6	884.1	9.1	872.8	10.3	844.2	28.5
K09-13-1-11.1	299.6	62950.2	1.4	14.2	0.7	1.5	4.6	0.2	4.6	1.0	937.1	39.8	937.7	28.2	939.3	14.4
K09-13-1-18.1	66.8	52323.2	1.1	8.8	0.7	5.3	1.4	0.3	1.2	0.9	1878.8	19.4	1869.8	11.8	1859.7	12.6
K09-13-1-29.1	185.3	124727.3	1.1	8.8	0.5	5.2	1.3	0.3	1.3	0.9	1858.7	20.3	1860.4	11.4	1862.2	8.3
K09-13-1-12.1	314.9	193699.2	1.7	8.8	0.5	5.3	3.0	0.3	3.0	1.0	1879.7	48.7	1872.9	25.9	1865.4	9.3
K09-13-1-23.1	254.0	25823.2	1.2	8.8	0.3	5.1	0.7	0.3	0.7	0.9	1810.7	10.9	1836.5	6.3	1865.9	4.8
K09-13-1-13.1	323.1	663886.7	2.4	8.7	0.2	5.5	3.8	0.3	3.8	1.0	1914.5	62.7	1898.4	32.6	1881.0	4.2
A10-13-3																
A10-13-3-3.2	73.8	2780.6	0.6	18.4	11.8	0.3	12.3	0.0	3.5	0.3	248.4	8.6	262.5	28.4	390.7	264.6
A10-13-3-3.7	123.9	7763.3	0.5	19.6	6.0	0.3	7.2	0.0	4.0	0.6	248.6	9.8	248.4	15.9	246.6	137.6
A10-13-3-2.5	129.7	26448.1	0.4	19.5	8.4	0.3	8.9	0.0	3.1	0.3	255.0	7.6	254.7	20.2	252.1	193.8
A10-13-3-3.5	132.2	26730.1	0.5	19.0	5.2	0.3	8.8	0.0	7.1	0.8	265.2	18.5	269.7	20.9	308.2	119.3
A10-13-3-1.3	23.3	12589.5	0.2	19.4	45.1	0.3	45.9	0.0	8.4	0.2	268.1	22.2	267.5	108.4	262.6	1087.8

A10-13-3-2.9	64.6	2724.3	0.5	19.7	20.2	0.3	20.7	0.0	4.1	0.2	272.3	11.0	268.0	48.7	231.1	471.6
A10-13-3-1.1	168.4	49044.4	3.9	18.1	7.4	0.3	12.4	0.0	10.0	0.8	274.6	26.8	290.7	31.4	421.7	165.4
A10-13-3-2.2	48.9	5594.1	0.6	18.8	9.3	0.3	9.8	0.0	3.1	0.3	287.5	8.6	292.8	24.9	335.0	211.2
A10-13-3-1.4	121.7	34299.8	0.6	18.4	4.8	0.3	5.6	0.0	2.8	0.5	290.5	8.1	300.7	14.6	380.7	108.2
A10-13-3-4.3	307.7	51957.4	1.4	19.4	3.4	0.3	3.9	0.0	1.9	0.5	293.4	5.4	290.9	9.9	270.6	79.0
A10-13-3-1.7	301.7	17979.9	1.1	18.3	5.1	0.4	9.0	0.0	7.4	0.8	294.6	21.3	306.9	23.8	401.6	114.5
A10-13-3-3.1	234.3	43057.9	2.6	19.4	2.9	0.3	4.6	0.0	3.6	0.8	296.4	10.4	292.4	11.8	261.3	67.7
A10-13-3-3.3	69.9	40378.8	0.8	18.6	9.7	0.4	13.2	0.0	8.9	0.7	301.9	26.3	308.9	35.0	362.0	218.2
A10-13-3-1.9	368.7	36998.6	1.5	19.2	1.7	0.4	2.6	0.0	2.0	0.8	312.0	6.1	309.4	7.1	290.2	39.5
A10-13-3-4.6	119.4	12354.0	1.0	18.2	4.6	0.4	5.9	0.1	3.7	0.6	328.0	11.8	337.9	16.9	406.4	102.7
A10-13-3-4.2	300.8	20126.6	0.9	18.4	3.4	0.4	4.9	0.1	3.5	0.7	328.0	11.1	335.9	14.0	390.9	77.0
A10-13-3-1.8	107.0	24870.8	1.0	19.9	6.1	0.4	7.2	0.1	3.8	0.5	343.3	12.7	326.9	20.0	212.2	140.7
A10-13-3-2.1	159.2	19047.2	1.0	19.1	3.2	0.4	3.9	0.1	2.1	0.5	361.7	7.5	354.1	11.6	304.6	74.0
A10-13-3-2.4	28.4	14547.7	1.0	19.7	17.2	0.4	17.8	0.1	4.5	0.3	395.8	17.1	372.9	55.6	232.5	400.5
A10-13-3-1.1A	119.6	33123.1	1.0	18.7	5.0	0.5	5.2	0.1	1.4	0.3	426.9	5.9	415.6	17.8	353.3	113.5
A10-13-3-2.7	55.1	10584.1	1.2	16.8	6.4	0.6	6.6	0.1	1.4	0.2	431.2	5.8	457.1	24.3	589.4	139.9
A10-13-3-2.3	161.5	76599.4	0.7	17.7	3.2	0.5	3.3	0.1	1.0	0.3	432.8	4.3	439.2	11.9	472.8	70.4
A10-13-3-3.8	133.4	23579.9	1.0	17.6	2.9	0.6	3.2	0.1	1.3	0.4	466.1	6.0	468.5	12.1	480.4	64.8
A10-13-3-4.0	160.5	11550.4	1.3	17.3	4.1	0.6	6.6	0.1	5.2	0.8	469.7	23.7	477.9	25.3	517.2	89.6
A10-13-3-4.8	64.6	18927.7	0.8	16.9	6.5	0.6	6.7	0.1	1.9	0.3	469.9	8.5	486.9	26.1	568.0	141.2
A10-13-3-4.5	140.6	34405.8	1.1	17.6	2.8	0.6	3.3	0.1	1.7	0.5	477.1	7.8	479.1	12.4	488.8	61.4
A10-13-3-3.4	109.4	15173.1	0.6	18.0	3.2	0.6	5.2	0.1	4.1	0.8	482.9	19.2	475.3	19.9	438.9	71.4
A10-13-3-2.6	47.8	18124.4	1.6	17.6	4.6	0.6	4.9	0.1	1.6	0.3	487.0	7.7	487.5	19.0	489.6	102.0
A10-13-3-1.10	46.6	11954.8	1.4	18.9	9.2	0.6	9.4	0.1	2.1	0.2	487.1	9.8	459.5	34.8	323.6	208.7
A10-13-3-2.10	101.2	23102.6	3.2	17.8	3.7	0.6	5.7	0.1	4.3	0.8	487.6	20.3	482.6	21.9	458.9	83.0
A10-13-3-4.4	106.7	21904.4	1.1	17.5	2.7	0.6	5.2	0.1	4.4	0.9	490.5	21.0	491.6	20.2	496.5	59.3
A10-13-3-2.8	197.5	73471.3	8.5	17.5	0.9	0.6	2.1	0.1	1.9	0.9	496.2	9.0	495.7	8.3	493.7	20.7
A10-13-3-1.6	24.0	5005.7	1.4	18.8	20.2	0.6	22.2	0.1	9.3	0.4	505.2	45.1	476.4	84.7	340.3	461.0
A10-13-3-1.5	93.9	107042.6	1.3	9.4	0.6	4.5	3.7	0.3	3.7	1.0	1720.4	55.8	1726.5	31.1	1734.0	11.2
A10-13-3-3.9	268.5	307381.2	2.5	8.8	0.8	4.5	6.0	0.3	5.9	1.0	1643.1	86.1	1737.5	49.8	1853.1	14.1
A10-13-3-3.6	208.3	71181.2	0.9	8.8	0.4	4.9	3.6	0.3	3.6	1.0	1751.1	55.7	1803.6	30.8	1864.7	6.6
A10-13-3-4.1	155.7	118263.7	2.0	8.7	0.5	5.4	6.8	0.3	6.8	1.0	1893.2	111.9	1884.8	58.7	1875.4	9.9
A10-13-3-4.7	145.3	19789.4	1.4	8.7	0.7	5.6	4.7	0.4	4.7	1.0	1944.0	78.1	1911.5	40.5	1876.4	12.1
K09-13-1-26	158.9	6745.7	0.9	17.4	2.3	0.7	4.6	0.1	3.9	0.9	538.5	20.4	533.8	19.0	513.4	50.7
K09-6-5																

K09-6-5-1	294.9	37229.9	4.5	8.5	0.3	5.7	1.7	0.4	1.7	1.0	1960.8	28.6	1937.5	14.8	1912.5	5.4
K09-6-5-2	460.6	8494.9	2.2	17.4	2.7	0.6	2.7	0.1	0.4	0.2	501.1	2.2	501.8	10.7	505.0	58.8
K09-6-5-3	391.6	5977.0	2.4	19.5	2.2	0.3	2.7	0.0	1.5	0.5	302.7	4.3	297.4	6.9	255.8	51.6
K09-6-5-4	283.0	13821.2	1.7	17.7	3.7	0.4	5.1	0.1	3.6	0.7	360.0	12.6	375.6	16.1	472.8	80.9
K09-6-5-5	290.3	4797.5	3.4	18.4	3.0	0.6	3.6	0.1	1.9	0.5	464.6	8.7	451.5	13.0	385.5	67.0
K09-6-5-6	284.3	27381.6	2.9	7.3	0.2	7.4	2.7	0.4	2.7	1.0	2114.6	47.9	2156.2	23.8	2196.0	3.3
K09-6-5-9	536.7	22785.6	1.2	18.4	3.0	0.4	3.4	0.0	1.5	0.4	306.5	4.5	315.6	9.2	383.8	68.5
K09-6-5-11	502.2	18641.3	1.9	8.1	2.8	2.6	44.1	0.2	44.0	1.0	918.3	377	1302.3	335.4	2006.7	50.2
K09-6-5-12	173.9	2612.3	1.2	20.1	4.1	0.5	4.2	0.1	0.9	0.2	456.3	3.9	414.5	14.4	187.8	96.2
K09-6-5-15	1223.2	15638.9	1.1	19.1	0.9	0.3	2.0	0.0	1.8	0.9	278.3	4.9	281.1	5.0	305.1	20.6
K08-11-4																
K08-11-4-1	480.0	1157.5	2.3	21.8	9.9	0.0	10.0	0.0	1.3	0.1	49.8	0.7	48.6	4.8	-7.8	240.0
K08-11-4-2	269.7	509.7	3.0	52.7	47.7	0.0	47.9	0.0	3.9	0.1	46.3	1.8	19.0	9.0	-2870.3	303.4
K08-11-4-3	765.4	1582.6	2.1	23.0	15.7	0.0	16.2	0.0	3.8	0.2	51.1	1.9	47.4	7.5	-136.2	391.6
K08-11-4-5	472.9	1091.3	2.0	30.3	13.1	0.0	13.8	0.0	4.1	0.3	50.2	2.1	35.5	4.8	-871.9	379.8
K08-11-4-6	204.2	23833.8	4.8	12.2	2.9	1.9	9.1	0.2	8.6	0.9	1024.8	81.6	1097.4	61.1	1244.4	57.2
K08-11-4-8	500.2	1614.9	2.7	16.8	14.2	0.1	15.0	0.0	4.9	0.3	45.2	2.2	56.8	8.3	581.6	310.2
K08-11-4-10	610.7	1966.9	3.2	21.6	6.3	0.0	8.0	0.0	5.0	0.6	48.0	2.4	47.5	3.7	18.3	150.7
A10-9-1																
A10-9-1-1	274.5	33916.7	2.8	19.1	3.5	0.4	4.8	0.0	3.3	0.7	308.7	10.1	308.0	12.8	302.2	79.6
A10-9-1-2	76.0	9427.8	1.3	17.5	5.7	0.6	5.9	0.1	1.4	0.2	445.9	6.1	454.5	21.6	498.2	125.9
A10-9-1-6	263.7	23978.7	1.0	19.2	3.4	0.3	4.3	0.0	2.7	0.6	258.9	6.9	261.9	10.0	289.0	76.9
A10-9-1-7	218.3	11258.5	0.8	20.4	3.3	0.3	4.1	0.0	2.4	0.6	261.4	6.1	251.0	9.0	154.3	77.1
A10-9-1-8	228.5	13138.6	1.3	19.9	4.9	0.3	5.1	0.0	1.3	0.3	265.9	3.3	260.0	11.6	206.6	114.0
A10-9-1-9	79.3	5026.0	0.9	18.7	12.1	0.3	12.9	0.0	4.4	0.3	267.6	11.5	275.7	31.0	344.8	274.5
A10-9-1-10	134.8	8137.1	0.7	18.1	5.2	0.3	5.6	0.0	2.2	0.4	255.1	5.6	272.4	13.5	423.2	115.6
A10-9-1-11	303.4	21701.4	1.9	19.2	2.2	0.3	2.9	0.0	1.9	0.7	262.1	4.9	265.5	6.8	294.7	49.7
A10-9-1-12	283.5	24708.7	0.8	19.6	2.4	0.3	3.5	0.0	2.5	0.7	273.9	6.8	270.0	8.3	236.4	55.9
A10-9-1-13	118.9	8414.9	1.0	21.0	11.3	0.3	12.0	0.0	4.0	0.3	265.0	10.3	247.4	26.4	83.8	269.5
A10-9-1-14	403.8	29729.3	1.7	19.1	2.2	0.3	3.1	0.0	2.3	0.7	259.6	5.7	264.0	7.3	303.0	49.5
A10-9-1-15	136.6	7035.2	1.2	20.0	5.0	0.3	5.3	0.0	1.6	0.3	273.7	4.4	265.6	12.4	195.1	116.9
A10-9-1-16	324.4	24443.3	3.1	19.3	2.9	0.3	3.5	0.0	2.0	0.6	277.4	5.4	277.1	8.6	274.8	67.2
A10-9-1-18	47.8	4766.7	1.2	20.8	18.0	0.3	18.6	0.0	4.7	0.3	269.0	12.4	253.1	41.7	107.5	428.3
A10-9-1-19	394.0	135970.2	1.9	18.9	2.2	0.3	3.0	0.0	2.1	0.7	297.7	6.0	300.2	7.9	319.9	50.8
A10-9-1-20	248.0	16601.1	1.0	19.1	3.4	0.3	4.1	0.0	2.4	0.6	260.0	6.0	264.1	9.6	300.7	77.1

A10-9-1-21	260.9	14432.2	1.4	19.6	3.0	0.3	3.4	0.0	1.5	0.4	291.4	4.4	286.0	8.5	242.1	70.3
A10-9-1-22	236.6	19565.5	1.2	17.6	1.3	0.6	1.8	0.1	1.3	0.7	492.0	6.3	491.3	7.2	487.9	28.2
A10-9-1-23	793.9	79285.7	2.6	17.3	0.7	0.6	2.1	0.1	2.0	0.9	497.8	9.6	501.5	8.4	518.5	15.8
A10-9-1-24	187.9	57550.8	4.2	17.5	1.8	0.6	2.9	0.1	2.2	0.8	503.0	10.7	502.7	11.4	501.5	40.3
A10-9-1-25	193.0	21383.3	3.3	14.2	5.3	1.1	6.0	0.1	2.8	0.5	696.1	18.7	757.8	32.3	944.6	109.5
A10-9-1-26	130.1	5533.2	0.9	19.8	4.0	0.3	6.5	0.0	5.1	0.8	258.8	13.0	255.2	14.7	222.4	92.3
A10-9-1-27	75.5	9041.8	0.9	17.8	12.4	0.3	12.9	0.0	3.5	0.3	258.1	8.9	279.4	31.4	461.6	275.2
A10-9-1-28	216.0	25669.1	1.6	17.0	3.6	0.7	5.8	0.1	4.6	0.8	499.1	22.0	509.7	23.4	557.3	79.1
A10-9-1-29	350.9	48327.0	0.8	19.1	1.3	0.3	3.6	0.0	3.3	0.9	249.6	8.1	255.0	8.0	304.9	29.6
A10-9-1-31	266.3	8667.7	2.8	19.7	5.7	0.3	6.4	0.0	3.1	0.5	253.5	7.6	250.7	14.3	224.5	130.8
A10-9-1-32	124.2	6404.3	1.0	19.3	5.7	0.3	6.8	0.0	3.8	0.6	242.2	9.1	245.3	14.9	275.6	129.6
A10-9-1-33	16.4	788.1	1.0	58.0	74.7	0.1	74.8	0.0	5.2	0.1	260.5	13.4	95.0	68.0	0.0	435.4
A10-9-1-34	184.6	35486.6	1.2	19.0	6.3	0.3	6.7	0.0	2.2	0.3	261.3	5.6	266.1	15.6	308.3	143.6
A10-9-1-35	375.1	17670.0	1.2	19.7	2.1	0.3	2.7	0.0	1.7	0.6	257.2	4.3	254.9	6.0	234.2	47.5
A10-9-1-36	181.8	7898.3	0.6	19.5	5.3	0.3	5.7	0.0	2.2	0.4	247.3	5.4	248.5	12.7	259.3	121.9
A10-9-1-39	130.7	9764.5	1.2	18.3	1.7	0.6	3.6	0.1	3.1	0.9	454.9	13.8	445.9	12.9	399.9	38.5
A10-9-40	271.3	31661.1	1.8	17.4	1.9	0.6	2.4	0.1	1.5	0.6	460.9	6.8	468.5	9.0	505.7	40.8
A10-9-41	96.1	3176.7	2.5	21.6	11.8	0.3	11.9	0.0	2.0	0.2	251.8	4.9	230.1	24.5	14.3	283.4
A10-9-43	206.4	14852.6	1.8	19.6	2.8	0.3	3.1	0.0	1.3	0.4	258.4	3.2	256.2	6.9	236.0	64.6
A10-9-44	113.0	47831.4	1.9	8.7	0.8	5.0	1.4	0.3	1.1	0.8	1771.5	17.0	1820.5	11.5	1877.0	14.2
A10-9-45	92.6	4009.2	0.9	20.3	9.2	0.3	9.6	0.0	2.8	0.3	244.1	6.7	236.4	20.2	160.2	215.0
A10-7-7																
A10-7-7-1	72.0	5842.6	1.0	18.1	5.4	0.6	6.0	0.1	2.6	0.4	472.2	11.8	463.4	22.1	419.9	119.8
A10-7-7-2	478.4	53296.9	1.7	18.4	1.1	0.4	4.1	0.1	4.0	1.0	351.8	13.7	356.9	12.4	390.3	23.8
A10-7-7-3	1952.5	105054.5	22.3	18.8	0.7	0.4	2.5	0.0	2.4	1.0	302.8	7.1	306.3	6.6	333.3	15.8
A10-7-7-4	143.3	4337.4	0.7	20.2	3.1	0.3	4.0	0.0	2.5	0.6	264.9	6.4	255.1	9.0	166.1	73.1
A10-7-7-5	119.0	17409.3	1.3	15.1	2.0	1.1	3.3	0.1	2.7	0.8	756.4	19.2	771.2	18.0	814.2	40.8
A10-7-7-6	1014.0	205635.6	4.2	9.8	15.6	3.5	41.0	0.2	37.9	0.9	1422.3	485	1522.9	334.7	1665.5	289.8
A10-7-7-7	154.6	14744.5	2.0	17.4	2.3	0.6	2.5	0.1	1.1	0.4	494.3	5.1	496.6	9.9	507.1	50.0
A10-7-7-8	65.5	2200.9	0.9	20.7	13.5	0.3	13.5	0.0	1.1	0.1	295.2	3.2	275.4	32.6	110.6	318.9
A10-7-7-9	1194.5	95393.5	2.4	18.0	0.6	0.5	7.3	0.1	7.3	1.0	382.2	27.0	388.8	23.6	428.6	13.2
A10-7-7-10	134.9	4143.4	0.6	21.8	7.6	0.3	7.8	0.0	1.8	0.2	269.0	4.8	242.6	16.8	-6.4	183.4
A10-7-7-12	131.8	9151.9	1.1	18.2	4.6	0.5	5.4	0.1	2.9	0.5	445.2	12.3	438.6	19.3	404.0	102.9
A10-7-7-14	216.3	12351.2	2.2	17.5	2.5	0.6	3.5	0.1	2.5	0.7	491.8	11.8	493.7	13.8	502.8	55.3
A10-7-7-15	152.3	10581.1	1.9	16.5	4.0	0.7	4.1	0.1	0.9	0.2	496.0	4.1	518.5	16.8	618.9	87.4

A10-7-7-16	347.7	8610.3	1.0	20.2	3.4	0.3	4.0	0.0	2.0	0.5	258.4	5.2	250.0	8.8	172.2	79.8
A10-7-7-19	389.4	17545.0	10.0	17.4	1.5	0.6	2.3	0.1	1.7	0.8	506.3	8.4	506.6	9.1	508.1	33.0
A10-7-7-20	117.4	11337.1	1.7	17.4	3.4	0.6	3.8	0.1	1.5	0.4	503.4	7.4	503.5	14.9	503.8	75.5
A10-7-7-21	183.3	9071.8	1.5	18.1	3.1	0.6	4.0	0.1	2.5	0.6	492.1	11.8	480.8	15.2	427.2	69.0
A10-7-7-23	709.3	46039.3	2.0	17.4	0.7	0.6	3.8	0.1	3.7	1.0	493.2	17.7	495.7	14.9	507.2	16.4
A10-7-7-25	173.3	5905.6	1.8	19.3	4.3	0.4	5.0	0.1	2.6	0.5	328.1	8.5	321.2	13.8	271.5	98.1
A10-7-7-26	325.0	21656.6	0.6	19.0	2.9	0.3	3.5	0.0	1.9	0.5	259.3	4.9	264.7	8.1	313.2	66.7
A10-7-7-27	143.3	2943.0	0.7	21.0	5.0	0.3	5.6	0.0	2.4	0.4	266.6	6.3	248.9	12.3	84.4	119.3
A10-7-7-28	296.7	6642.6	1.2	20.0	1.9	0.3	2.7	0.0	1.9	0.7	267.7	5.1	260.3	6.3	194.4	45.0
A10-7-7-30	129.1	3826.7	0.6	20.0	6.4	0.3	9.0	0.0	6.3	0.7	264.0	16.3	256.7	20.4	190.7	150.0
A10-7-1																
A10-7-1-3	154.2	8354.6	2.7	17.9	3.5	0.6	5.9	0.1	4.7	0.8	487.8	22.1	480.7	22.6	447.1	78.9
A10-7-1-5	316.7	11643.2	0.7	19.4	3.5	0.3	7.3	0.0	6.4	0.9	277.2	17.3	275.4	17.6	259.9	81.1
A10-7-1-6	136.2	15752.4	2.2	10.3	1.2	2.7	3.1	0.2	2.8	0.9	1179.2	30.5	1326.4	22.8	1572.9	22.6
A10-7-1-7	234.5	4841.7	0.7	19.6	3.5	0.3	4.0	0.0	2.0	0.5	256.4	4.9	254.6	9.1	238.2	81.5
A10-7-1-8	240.9	10289.2	3.2	17.6	1.5	0.6	2.4	0.1	1.8	0.8	448.5	8.0	454.2	8.6	483.4	32.5
A10-7-1-9	439.0	34789.6	1.5	18.6	2.2	0.4	3.9	0.0	3.2	0.8	309.7	9.6	316.2	10.5	364.7	49.5
A10-7-1-10	245.2	5058.1	1.9	19.4	3.2	0.3	3.8	0.0	2.1	0.6	309.8	6.3	304.5	10.0	264.1	72.9
A10-7-1-12	412.0	15508.0	1.9	18.9	3.2	0.3	5.2	0.0	4.2	0.8	301.0	12.3	303.4	13.8	321.6	72.0
A10-7-1-13	421.3	6810.2	1.2	19.9	2.5	0.3	2.9	0.0	1.4	0.5	260.5	3.6	254.8	6.4	202.4	57.6
A10-7-1-14	232.2	4110.0	0.8	20.2	3.4	0.3	4.3	0.0	2.8	0.6	272.0	7.4	262.1	10.0	174.3	78.3
A10-7-1-15	544.8	10255.4	1.3	19.1	1.4	0.4	3.2	0.0	2.9	0.9	308.1	8.6	307.1	8.5	299.2	32.0
A10-7-1-16	81.8	1534.3	0.7	25.0	8.2	0.3	8.6	0.0	2.6	0.3	308.3	8.0	243.0	18.5	-349.0	210.7
A10-7-1-17	479.0	14188.4	0.9	18.8	1.9	0.4	2.5	0.0	1.6	0.6	303.5	4.8	307.3	6.6	335.5	42.8
A10-7-1-18	124.5	3695.6	0.7	17.8	4.1	0.6	4.6	0.1	2.2	0.5	494.1	10.4	487.7	18.0	458.0	91.1
A10-7-1-19	369.3	63313.1	3.5	5.2	3.1	12.5	3.5	0.5	1.7	0.5	2498.1	34.2	2645.7	32.7	2760.6	50.2
A10-7-1-20	366.1	15849.7	1.1	18.6	3.4	0.3	3.5	0.0	0.6	0.2	294.6	1.8	302.4	9.0	362.9	76.7
A10-7-1-21	193.7	10664.2	2.0	15.0	1.6	1.2	2.5	0.1	1.8	0.7	817.4	14.2	819.4	13.9	824.8	34.1
A10-7-1-22	164.7	2628.5	0.7	22.4	5.1	0.3	6.2	0.0	3.5	0.6	265.0	9.1	233.2	12.9	-76.7	124.6
A10-7-1-23	175.7	10543.6	1.7	16.4	2.0	0.8	2.7	0.1	1.8	0.7	588.9	10.0	599.9	12.0	641.8	42.7
A10-7-1-24	363.4	9575.9	4.5	17.6	1.6	0.6	2.5	0.1	1.9	0.8	472.4	8.9	473.5	9.6	478.4	36.4
A10-7-1-25	126.6	3675.9	2.4	18.6	3.6	0.6	3.7	0.1	0.9	0.2	494.4	4.3	472.5	14.0	367.1	81.1
A10-7-1-27	216.6	6691.6	1.9	18.4	4.5	0.4	9.1	0.1	8.0	0.9	361.8	28.0	364.7	28.0	382.9	101.3
A10-7-1-28	197.0	24248.2	3.7	8.7	0.4	5.2	1.0	0.3	0.9	0.9	1807.1	14.8	1844.5	8.7	1886.9	7.5
A10-7-1-29	95.0	2504.0	0.9	18.2	5.0	0.6	6.7	0.1	4.5	0.7	466.5	20.1	456.4	24.7	405.5	112.7

A10-7-1-30	469.9	11828.9	13.1	17.4	0.9	0.6	1.5	0.1	1.2	0.8	496.0	5.6	498.1	5.9	507.5	20.5
A10-7-1-31	81.7	1379.3	0.7	23.5	8.5	0.3	9.6	0.1	4.4	0.5	340.4	14.5	280.1	23.5	-196.9	213.6
A10-7-1-32	66.4	4938.1	1.5	9.9	1.4	3.0	3.7	0.2	3.5	0.9	1237.5	39.2	1395.0	28.4	1644.7	25.8
A10-7-1-33	212.9	4959.0	0.6	19.5	5.1	0.3	5.8	0.0	2.9	0.5	264.5	7.5	263.9	13.5	257.9	116.4
A10-7-1-34	182.7	4894.9	0.9	19.6	5.2	0.3	6.5	0.0	3.8	0.6	298.0	11.2	292.3	16.5	247.0	120.7
A10-7-1-35	828.7	19634.6	1.5	19.1	1.0	0.3	1.8	0.0	1.5	0.8	288.4	4.4	290.4	4.6	306.9	22.0
A10-7-1-36	190.4	6287.0	7.8	17.6	2.0	0.6	3.4	0.1	2.7	0.8	493.6	12.8	491.4	13.1	481.0	44.1
A10-7-1-37	121.5	4130.4	0.9	17.8	3.9	0.6	4.3	0.1	1.9	0.4	491.3	8.9	484.7	16.7	453.3	87.0
A10-7-1-38	217.3	6097.9	0.8	19.5	3.9	0.3	5.3	0.0	3.5	0.7	270.6	9.2	269.2	12.4	256.8	90.3
A10-7-1-39	270.7	6712.8	25.9	17.8	2.7	0.6	3.3	0.1	1.9	0.6	486.1	8.7	480.7	12.6	454.8	60.2
A10-7-1-41	94.5	2040.8	1.1	20.1	12.3	0.3	12.6	0.0	2.9	0.2	308.2	8.6	294.4	32.3	186.2	287.3
A10-7-1-42	183.9	6180.1	2.0	18.1	2.7	0.6	3.4	0.1	2.1	0.6	482.3	9.6	471.1	12.8	416.8	60.6
K08-7-1																
K08-7-1-26.1	283.2	36859.7	0.6	19.4	2.1	0.3	3.8	0.0	3.1	0.8	251.8	7.7	253.2	8.4	266.5	48.6
K08-7-1-67.1	66.6	538.9	0.9	14.8	21.0	0.4	22.1	0.0	6.9	0.3	252.6	17.2	321.8	61.1	858.5	440.5
K08-7-1-72.1	336.8	61430.7	1.1	19.1	3.2	0.3	3.7	0.0	1.8	0.5	252.9	4.4	257.4	8.4	298.1	74.1
K08-7-1-58.1	62.7	2047.1	1.2	18.4	16.8	0.3	17.1	0.0	2.8	0.2	254.7	7.1	267.7	40.2	383.3	381.0
K08-7-1-80.1	189.3	20472.3	1.2	19.2	6.0	0.3	6.9	0.0	3.5	0.5	257.4	8.8	260.5	15.8	288.9	136.1
K08-7-1-65.1	142.9	14333.6	0.9	19.3	5.5	0.3	5.8	0.0	2.0	0.3	258.0	5.0	259.9	13.3	277.5	125.1
K08-7-1-27.1	79.4	10972.6	0.5	22.3	12.8	0.3	13.3	0.0	3.4	0.3	258.7	8.6	229.1	27.2	-64.3	314.5
K08-7-1-41.1	212.8	58159.5	0.8	18.2	3.3	0.3	3.8	0.0	1.8	0.5	259.1	4.6	274.2	9.1	405.1	74.5
K08-7-1-71.1	297.1	32255.1	1.3	20.0	3.2	0.3	4.4	0.0	3.1	0.7	260.4	7.8	254.3	10.0	198.7	74.3
K08-7-1-48.1	135.3	15164.6	0.7	19.2	4.7	0.3	5.2	0.0	2.2	0.4	262.3	5.8	265.1	12.2	290.2	108.4
K08-7-1-16.1	132.5	5565.3	1.5	18.7	8.3	0.3	8.5	0.0	1.8	0.2	264.4	4.7	273.5	20.3	351.7	186.8
K08-7-1-11.1	196.0	15840.4	0.4	19.8	5.6	0.3	5.9	0.0	1.8	0.3	265.5	4.8	260.8	13.6	218.5	129.8
K08-7-1-10.1	120.1	33350.3	0.8	20.2	8.7	0.3	8.9	0.0	2.0	0.2	267.1	5.3	257.1	20.2	167.4	202.8
K08-7-1-81.1	85.3	4489.5	0.9	18.9	12.0	0.3	12.8	0.0	4.4	0.3	267.1	11.6	272.8	30.6	322.0	273.0
K08-7-1-84.1	249.3	24584.2	1.2	19.6	3.8	0.3	4.0	0.0	1.0	0.3	267.2	2.6	264.8	9.3	243.5	88.7
K08-7-1-36.1	283.8	13745.7	0.4	19.1	2.8	0.3	3.4	0.0	2.0	0.6	269.5	5.3	273.4	8.2	306.6	63.4
K08-7-1-22.1	275.5	41297.8	3.0	19.4	4.9	0.3	5.1	0.0	1.2	0.2	269.9	3.2	269.0	12.0	261.4	113.4
K08-7-1-12.1	289.3	20060.5	1.4	19.5	4.1	0.3	5.7	0.0	4.0	0.7	272.9	10.6	271.2	13.6	256.7	94.0
K08-7-1-66.1	325.4	11652.6	1.6	19.5	3.4	0.3	5.2	0.0	3.9	0.8	273.0	10.4	270.9	12.3	252.6	77.6
K08-7-1-87.1	119.1	3828.8	1.2	18.6	3.8	0.3	4.3	0.0	2.0	0.5	277.0	5.5	285.9	10.7	359.7	85.0
K08-7-1-19.1	56.0	5772.8	0.5	20.4	16.5	0.3	16.8	0.0	3.0	0.2	278.3	8.1	264.7	39.1	146.6	389.4
K08-7-1-85.1	199.0	17040.0	1.5	19.3	3.4	0.3	3.9	0.0	1.9	0.5	278.7	5.3	279.0	9.5	281.8	77.3

K08-7-1-83.1	278.7	63983.9	1.2	18.9	3.7	0.3	6.2	0.0	4.9	0.8	279.6	13.4	283.9	15.3	319.5	85.1
K08-7-1-69.1	189.3	23083.5	1.0	19.0	3.1	0.3	4.3	0.0	3.0	0.7	285.9	8.3	288.6	10.8	310.5	70.5
K08-7-1-38.1	151.0	13386.7	0.8	19.7	4.7	0.3	5.0	0.0	1.4	0.3	286.0	4.0	280.2	12.1	232.1	109.5
K08-7-1-93.1	336.3	37197.8	2.0	19.0	3.1	0.3	4.3	0.0	2.9	0.7	287.0	8.2	290.0	10.8	314.4	70.7
K08-7-1-40.1	355.2	59683.0	0.4	19.2	1.0	0.3	1.7	0.0	1.3	0.8	288.8	3.8	288.8	4.2	288.6	23.7
K08-7-1-86.1	93.0	4737.4	1.1	18.5	8.7	0.3	9.4	0.0	3.3	0.4	293.3	9.6	301.9	24.4	368.2	197.3
K08-7-1-42.1	221.5	2743.2	0.7	18.2	6.8	0.4	7.7	0.0	3.6	0.5	294.2	10.4	307.5	20.3	409.6	151.4
K08-7-1-94.1	337.4	51802.8	3.6	19.3	1.9	0.3	2.7	0.0	1.9	0.7	294.5	5.5	292.2	6.9	273.9	43.8
K08-7-1-61.1	140.2	21131.5	1.0	18.2	5.0	0.4	6.6	0.0	4.2	0.6	295.1	12.2	307.8	17.4	404.9	112.5
K08-7-1-92.1	139.0	8905.0	0.9	19.4	4.8	0.3	5.2	0.0	2.1	0.4	295.5	6.1	292.3	13.2	266.7	109.2
K08-7-1-21.1	107.2	14981.1	0.9	18.4	5.9	0.4	6.2	0.0	1.9	0.3	298.2	5.6	308.6	16.5	387.8	132.1
K08-7-1-91.1	250.4	23099.2	1.0	18.8	4.4	0.3	7.9	0.0	6.6	0.8	299.5	19.3	304.1	20.8	339.3	99.8
K08-7-1-75.1	159.0	20957.3	1.0	19.0	8.2	0.3	8.5	0.0	2.3	0.3	299.6	6.7	301.8	22.2	318.4	186.4
K08-7-1-97.1	80.0	752.4	0.7	15.3	10.8	0.4	11.8	0.0	4.7	0.4	300.2	13.9	362.0	35.8	779.6	227.1
K08-7-1-28.1	138.7	18215.7	1.8	18.7	4.1	0.4	4.9	0.0	2.8	0.6	301.1	8.1	305.9	13.0	343.1	92.5
K08-7-1-46.1	274.3	16834.4	1.1	18.7	3.8	0.4	4.8	0.0	2.8	0.6	304.0	8.5	308.9	12.8	345.9	87.1
K08-7-1-2.1	204.7	22900.9	0.7	19.0	3.6	0.4	5.1	0.0	3.6	0.7	306.7	10.8	308.0	13.5	318.1	81.8
K08-7-1-50.1	103.3	14155.3	0.7	19.6	9.7	0.3	11.6	0.0	6.3	0.5	308.9	19.1	300.9	30.1	239.4	223.6
K08-7-1-82.1	65.4	5834.9	0.9	19.1	15.2	0.4	15.5	0.0	3.1	0.2	311.1	9.4	310.2	41.5	303.7	348.3
K08-7-1-35.1	89.3	8274.2	0.9	19.8	7.9	0.3	8.1	0.0	2.0	0.2	313.2	6.1	302.5	21.3	220.7	183.0
K08-7-1-17.1	186.2	20361.0	3.9	18.9	2.6	0.4	6.6	0.1	6.0	0.9	315.8	18.5	316.7	17.8	323.3	59.9
K08-7-1-63.1	94.7	10495.8	0.9	18.9	7.3	0.4	8.1	0.1	3.4	0.4	318.8	10.6	320.1	22.2	330.0	166.0
K08-7-1-37.1	138.7	23067.5	0.7	19.3	4.8	0.4	6.7	0.1	4.7	0.7	320.2	14.8	315.0	18.2	276.7	109.8
K08-7-1-5.1	158.3	28356.6	1.6	19.7	6.5	0.4	7.5	0.1	3.6	0.5	325.8	11.4	314.6	20.2	232.6	151.3
K08-7-1-96.1	156.7	22946.3	0.9	18.7	4.2	0.4	5.0	0.1	2.7	0.5	326.7	8.6	329.9	14.1	352.6	95.2
K08-7-1-88.1	529.1	23649.9	1.4	18.7	2.8	0.4	3.4	0.1	1.9	0.6	331.8	6.3	334.0	9.6	348.9	62.4
K08-7-1-6.1	478.8	15043.7	1.2	18.5	4.5	0.4	6.2	0.1	4.2	0.7	334.3	13.6	339.9	17.8	378.1	102.0
K08-7-1-79.1	189.9	25904.0	0.9	18.6	2.5	0.4	4.2	0.1	3.4	0.8	335.3	11.2	338.8	12.2	362.6	55.7
K08-7-1-49.1	106.3	55329.7	1.2	17.9	8.5	0.4	8.9	0.1	2.6	0.3	337.5	8.7	351.4	26.5	444.4	190.0
K08-7-1-47.1	121.8	20439.6	1.9	18.4	3.4	0.4	3.7	0.1	1.5	0.4	342.3	5.0	348.5	10.9	389.7	75.7
K08-7-1-90.1	222.1	19242.7	0.9	18.5	2.0	0.4	4.7	0.1	4.3	0.9	344.2	14.4	347.5	14.0	369.9	45.0
K08-7-1-74.1	217.5	19471.2	1.1	18.1	2.4	0.4	3.0	0.1	1.7	0.6	345.4	5.9	355.0	8.9	417.8	53.6
K08-7-1-78.1	79.7	9770.2	0.7	18.1	8.3	0.4	8.4	0.1	1.3	0.2	347.6	4.5	357.8	25.4	424.9	185.5
K08-7-1-44.1	34.5	5391.3	0.4	21.8	24.2	0.4	25.1	0.1	6.7	0.3	349.7	22.9	306.2	66.6	-13.3	592.8
K08-7-1-13.1	90.1	15557.6	1.0	18.1	10.3	0.4	11.6	0.1	5.4	0.5	350.6	18.3	360.1	35.2	422.0	230.5
K08-7-1-77.1	231.9	22792.3	0.8	18.6	2.5	0.4	3.3	0.1	2.2	0.7	358.0	7.6	357.7	10.0	355.6	56.4

K08-7-1-8.1	65.5	18271.6	0.7	18.0	15.5	0.4	15.8	0.1	3.2	0.2	368.2	11.3	376.7	49.7	429.2	346.3
K08-7-1-33.1	148.7	25561.4	0.9	18.4	2.3	0.4	3.0	0.1	1.9	0.6	370.9	6.8	373.2	9.4	387.2	52.2
K08-7-1-23.1	248.2	74050.0	1.1	18.4	1.8	0.5	2.5	0.1	1.7	0.7	392.1	6.4	391.8	8.0	389.5	40.8
K08-7-1-64.1	208.0	31474.1	1.5	18.4	2.6	0.5	3.8	0.1	2.7	0.7	394.5	10.3	394.0	12.3	391.0	58.7
K08-7-1-95.1	241.1	2503.3	1.7	18.0	3.2	0.5	3.7	0.1	1.9	0.5	396.3	7.3	402.6	12.3	438.5	70.8
K08-7-1-89.1	381.7	16653.6	3.3	18.0	1.1	0.5	4.9	0.1	4.7	1.0	399.4	18.3	404.0	16.2	430.4	25.3
K08-7-1-62.1	239.7	30632.9	2.8	16.7	10.5	0.5	11.6	0.1	5.0	0.4	412.3	20.0	441.2	41.5	594.8	227.1
K08-7-1-102.1	234.6	13077.6	0.7	17.5	2.3	0.6	3.1	0.1	2.0	0.6	456.0	8.7	462.5	11.4	494.9	51.4
K08-7-1-51.1	715.4	56536.8	1.2	17.1	2.6	0.6	4.2	0.1	3.4	0.8	477.6	15.5	489.5	16.4	545.4	55.8
K08-7-1-24.1	212.5	70437.1	1.0	17.4	2.1	0.6	2.5	0.1	1.4	0.6	478.5	6.6	484.3	9.8	511.9	46.4
K08-7-1-53.1	166.3	17532.6	0.9	17.4	3.5	0.6	7.1	0.1	6.2	0.9	479.0	28.8	483.7	27.4	506.0	76.1
K08-7-1-60.1	287.3	82740.7	1.3	17.5	2.1	0.6	4.7	0.1	4.2	0.9	479.2	19.3	482.0	18.0	495.4	47.3
K08-7-1-99.1	210.1	50032.8	1.3	17.4	1.4	0.6	2.8	0.1	2.5	0.9	481.2	11.4	485.9	11.0	508.2	31.1
K08-7-1-100.1	151.6	33260.4	1.4	17.1	3.2	0.6	4.0	0.1	2.3	0.6	485.1	10.9	497.2	15.5	553.3	69.6
K08-7-1-98.1	392.6	65584.9	1.8	17.6	0.8	0.6	3.1	0.1	3.0	1.0	489.6	14.2	489.4	12.1	488.2	18.0
K08-7-1-1.1	196.6	28718.0	1.1	17.5	2.2	0.6	2.4	0.1	0.9	0.4	489.8	4.4	491.8	9.2	501.1	47.8
K08-7-1-54.1	275.7	47575.3	1.1	17.4	1.2	0.6	2.7	0.1	2.4	0.9	490.0	11.4	492.7	10.4	505.1	25.5
K08-7-1-70.1	120.5	36138.4	1.1	17.4	2.2	0.6	3.2	0.1	2.3	0.7	493.2	11.0	497.0	12.6	514.2	48.5
K08-7-1-3.1	281.4	35402.9	1.4	17.7	2.0	0.6	2.5	0.1	1.5	0.6	494.8	7.3	490.4	9.7	470.0	43.6
K08-7-1-20.1	323.7	165810.8	8.8	17.5	0.8	0.7	3.1	0.1	2.9	1.0	515.6	14.6	511.6	12.3	493.7	18.5
K08-7-1-76.1	136.0	21801.2	0.7	16.9	2.2	0.7	3.2	0.1	2.2	0.7	525.9	11.3	534.5	13.1	571.4	48.4
K08-7-1-30.1	186.7	28302.4	1.5	17.3	1.6	0.7	2.6	0.1	2.1	0.8	537.1	10.8	533.6	10.8	518.9	34.2
K08-7-1-52.1	104.1	44874.2	1.2	17.9	3.8	0.7	5.7	0.1	4.3	0.7	539.3	22.1	522.6	23.4	450.2	85.1
K08-7-1-15.1	525.7	274975.3	4.3	17.0	0.7	0.7	1.6	0.1	1.4	0.9	557.7	7.7	558.7	6.8	562.6	14.5
K08-7-1-32.1	188.3	107742.2	1.6	17.5	2.4	0.7	7.1	0.1	6.7	0.9	569.7	36.5	554.9	30.4	494.5	53.5
K08-7-1-7.1	179.6	28053.7	1.7	16.8	2.2	0.8	2.6	0.1	1.4	0.5	602.1	8.1	597.6	11.8	580.4	47.7
K08-7-1-56.1	392.7	10475.8	2.2	16.2	3.0	0.9	6.9	0.1	6.2	0.9	636.6	37.8	643.6	32.9	668.0	63.4
K08-7-1-18.1	581.6	57999.4	2.1	15.4	1.9	1.0	6.1	0.1	5.8	0.9	699.4	38.3	716.1	31.3	768.7	41.0
K08-7-1-59.1	135.2	140771.6	2.3	15.1	2.0	1.2	2.2	0.1	0.9	0.4	792.9	7.1	799.8	12.2	818.9	41.6
K08-7-1-101.1	97.8	32724.5	1.0	15.4	2.3	1.2	2.9	0.1	1.7	0.6	798.2	12.5	790.6	15.7	769.2	48.9
K08-7-1-68.1	239.8	19069.0	0.9	14.7	3.0	1.3	6.7	0.1	6.0	0.9	823.5	46.4	835.0	38.2	865.8	62.2
K08-7-1-43.1	175.3	46847.7	1.2	14.9	1.9	1.3	2.6	0.1	1.8	0.7	848.5	14.1	847.6	15.0	845.5	39.9
K08-7-1-73.1	158.8	72394.7	1.5	14.5	1.2	1.4	1.4	0.1	0.7	0.5	885.8	6.1	888.3	8.6	894.4	25.8
K08-7-1-103.1	697.2	100197.0	6.1	8.9	0.6	4.6	2.7	0.3	2.6	1.0	1677.3	38.3	1747.1	22.2	1831.6	11.2
K08-7-1-39.1	55.1	49874.5	1.0	8.8	1.0	5.4	1.6	0.3	1.2	0.8	1907.8	20.5	1882.8	13.7	1855.3	18.3
K08-7-1-4.1	303.0	416487.9	1.5	8.8	0.3	5.5	4.6	0.4	4.6	1.0	1934.8	76.4	1898.5	39.3	1859.0	5.1

K08-7-1-11.2	94.6	49849.1	0.7	8.8	0.3	5.2	1.9	0.3	1.8	1.0	1839.3	29.2	1849.5	15.8	1861.0	5.6
K08-7-1-29.1	115.1	158510.3	1.6	8.8	0.6	5.2	1.8	0.3	1.6	0.9	1844.0	26.2	1852.8	15.0	1862.7	11.7
K08-7-1-9.1	53.3	71342.9	0.9	6.4	1.0	8.2	2.7	0.4	2.5	0.9	2083.8	44.9	2257.2	24.6	2418.3	17.0
K08-7-1-94-35	144.4	7309.3	2.0	25.5	48.9	0.0	49.3	0.0	6.3	0.1	54.3	3.4	45.4	21.9	-398.3	1346.3
S10-2-5																
S10-2-5-2	174.9	12843.9	1.1	20.1	9.5	0.3	9.8	0.0	2.2	0.2	313.1	6.7	298.5	25.2	185.6	221.7
S10-2-5-3	145.4	9982.8	1.1	18.1	5.6	0.6	7.2	0.1	4.6	0.6	464.7	20.5	457.3	26.6	419.8	124.6
S10-2-5-4	204.0	28475.4	1.7	18.0	5.6	0.5	7.0	0.1	4.2	0.6	393.7	16.0	400.4	23.1	439.0	124.4
S10-2-5-5	621.1	241820.0	5.0	17.2	1.3	0.6	2.5	0.1	2.1	0.9	474.3	9.7	485.2	9.5	536.6	27.5
S10-2-5-6	101.3	10183.4	0.9	15.9	5.8	0.9	6.1	0.1	1.9	0.3	633.0	11.5	648.2	29.3	701.6	124.0
S10-2-5-7	74.4	4653.4	1.9	19.3	10.5	0.4	10.8	0.1	2.7	0.3	389.2	10.2	373.0	33.7	273.4	240.2
S10-2-5-8	255.6	17514.3	2.1	17.2	3.3	0.6	4.3	0.1	2.8	0.6	497.9	13.3	505.3	17.2	539.1	72.7
S10-2-5-9	466.7	77430.5	2.0	17.0	1.6	0.7	7.3	0.1	7.1	1.0	521.2	35.7	527.4	30.1	554.2	35.7
S10-2-5-10	343.1	7745.1	0.9	17.6	3.6	0.5	4.0	0.1	1.7	0.4	369.9	6.2	386.1	12.9	484.3	79.7
M09-5-3																
MO9-5-3-11	44.6	1103.4	0.6	22.2	29.3	0.2	29.6	0.0	4.3	0.1	250.6	10.6	223.4	59.4	-54.6	726.5
M09-5-3-1	31.4	1008.9	1.0	17.6	44.9	0.3	48.4	0.0	18.0	0.4	242.1	42.8	266.6	114.0	487.6	1041.9
MO9-5-3-12	37.4	970.2	0.8	32.2	35.4	0.2	35.9	0.0	6.1	0.2	240.8	14.3	153.1	51.1	-1058.2	1091.2
M09-5-3-2	35.2	1086.8	0.9	27.9	41.6	0.2	43.6	0.0	13.2	0.3	252.5	32.7	182.8	73.1	-644.6	1183.9
MO9-5-3-13	35.5	729.3	0.8	35.3	47.9	0.1	48.2	0.0	5.5	0.1	230.0	12.4	134.8	61.0	-1336.5	1608.7
M09-5-3-3	30.0	1133.0	0.8	78.1	80.3	0.1	80.8	0.0	8.6	0.1	241.0	20.2	66.1	51.8	0.0	389.9
M09-5-3-4	19.6	616.8	1.0	16.3	59.4	0.4	61.9	0.0	17.5	0.3	269.9	46.4	313.9	168.8	655.4	1404.3
MO9-5-3-15	31.7	621.5	0.8	36.3	34.5	0.1	35.2	0.0	7.2	0.2	240.7	17.0	137.2	45.2	-1426.0	1152.3
M09-5-3-5	30.9	2040.9	0.8	21.5	57.6	0.2	60.0	0.0	16.9	0.3	239.9	39.7	221.2	119.8	26.6	1499.9
M09-5-3-6	46.4	1619.2	0.7	23.4	28.9	0.2	30.1	0.0	8.4	0.3	250.5	20.6	212.8	57.8	-186.0	734.3
M09-5-3-7	37.6	818.8	0.8	23.9	23.9	0.2	26.5	0.0	11.4	0.4	240.1	27.0	201.2	48.4	-233.6	609.5
M09-5-3-8	37.6	994.2	0.7	26.3	27.0	0.2	29.4	0.0	11.7	0.4	241.0	27.6	184.5	49.6	-488.6	727.0
M09-5-3-9	29.7	484.9	0.9	47.2	44.4	0.1	45.7	0.0	10.7	0.2	223.0	23.5	99.5	43.3	-2386.3	237.7
M09-5-3-10	33.4	729.1	0.8	42.1	46.3	0.1	46.8	0.0	7.1	0.2	245.9	17.0	121.7	53.7	-1945.6	49.9
M09-4-4																
M09-4-4-1	147.3	4201.2	1.1	19.9	5.0	0.5	5.4	0.1	2.0	0.4	412.5	8.1	383.5	17.2	212.0	115.5
M09-4-4-2	175.4	29244.4	2.3	5.8	1.3	11.6	4.2	0.5	4.0	1.0	2548.2	83.9	2572.4	39.2	2591.6	21.4
M09-4-4-3	140.0	3576.8	1.9	19.1	8.8	0.4	9.4	0.1	3.2	0.3	339.8	10.7	335.1	26.8	302.3	201.0
M09-4-4-4	199.8	24370.9	2.5	8.7	0.5	5.1	3.4	0.3	3.3	1.0	1778.4	51.8	1828.1	28.5	1885.2	8.3
M09-4-4-6	206.0	6059.5	1.4	17.7	4.4	0.6	5.2	0.1	2.7	0.5	496.0	12.9	490.7	20.1	465.9	97.4

M09-4-4-7	136.0	2049.4	1.2	20.8	7.3	0.3	12.0	0.0	9.5	0.8	302.1	28.2	280.5	29.5	104.5	173.1
M09-4-4-8	272.5	3553.4	1.0	19.9	4.8	0.3	8.8	0.0	7.3	0.8	290.7	20.7	281.7	21.5	207.7	112.4
M09-4-4-9	391.4	4384.5	1.8	19.8	5.4	0.3	5.9	0.0	2.4	0.4	285.1	6.8	277.8	14.3	216.6	124.2
M09-4-4-10	190.1	2046.2	1.2	21.3	5.2	0.3	5.9	0.1	2.7	0.5	329.9	8.8	296.5	15.1	41.1	124.3
M09-4-4-12	108.0	1939.7	2.8	18.5	4.7	0.6	5.3	0.1	2.5	0.5	479.2	11.4	462.0	19.6	377.4	105.1
M09-4-4-13	236.5	5527.4	1.4	18.6	5.0	0.4	10.5	0.1	9.3	0.9	373.7	33.6	371.7	32.8	359.5	114.0
M09-4-4-15	196.1	2643.2	1.4	19.5	5.1	0.4	5.3	0.1	1.1	0.2	361.3	3.9	346.8	15.5	251.0	118.4
M09-4-4-17	132.5	1793.6	3.0	20.2	5.6	0.5	8.7	0.1	6.6	0.8	430.0	27.5	391.3	28.1	168.2	131.1
M09-4-4-18	159.4	2126.5	2.3	19.3	7.8	0.4	8.4	0.1	3.2	0.4	320.5	10.1	314.8	22.8	272.9	178.1
M09-4-4-20	318.5	3955.0	3.0	18.0	3.4	0.6	4.3	0.1	2.6	0.6	454.4	11.4	452.0	15.7	439.7	76.3
M09-4-4-25	263.5	2048.7	2.1	20.1	4.5	0.4	5.9	0.1	3.9	0.7	390.8	14.7	361.8	18.0	180.3	104.3
M09-4-4-27	222.0	1391.0	1.6	22.7	5.8	0.3	6.2	0.0	2.3	0.4	289.7	6.4	249.6	13.8	-112.6	143.5
M09-4-4-29	753.4	16193.3	2.4	16.9	1.2	0.7	4.7	0.1	4.5	1.0	506.6	22.0	518.8	19.0	573.0	26.0
M09-4-4-30	993.0	12453.7	2.3	17.2	0.6	0.7	2.6	0.1	2.5	1.0	534.4	12.8	534.5	10.7	535.1	14.1
M09-4-4-31	248.1	8340.9	1.0	15.8	7.6	0.4	7.8	0.0	1.7	0.2	306.3	5.2	360.3	23.8	724.4	162.4
M09-4-4-32	82.4	622.8	1.3	34.1	19.3	0.2	19.6	0.0	3.3	0.2	272.3	8.9	163.4	29.6	-1226.4	607.5
K09-7-7																
K09-7-7-1	139.7	4615.7	1.1	19.1	8.7	0.3	10.4	0.0	5.8	0.6	289.8	16.5	291.4	26.4	304.5	198.0
K09-7-7-2	131.5	3461.6	0.8	20.9	12.3	0.3	12.6	0.0	2.7	0.2	287.5	7.5	267.5	29.5	95.9	291.4
K09-7-7-3	136.7	7057.8	1.4	17.3	4.5	0.6	7.3	0.1	5.7	0.8	504.3	27.6	507.2	29.0	520.1	98.9
K09-7-7-4	243.7	6903.9	1.2	19.1	3.0	0.5	6.0	0.1	5.2	0.9	397.7	20.1	384.2	19.3	303.8	69.0
K09-7-7-5	235.1	5476.8	1.4	19.2	6.3	0.3	6.7	0.0	2.2	0.3	274.8	5.9	276.3	16.2	288.5	145.0
K09-7-7-6	141.1	6699.8	1.6	17.1	7.2	0.7	10.3	0.1	7.4	0.7	519.3	36.9	525.2	42.2	551.0	156.4
K09-7-7-7	492.6	15100.8	1.5	19.1	2.3	0.4	4.3	0.1	3.6	0.8	324.2	11.4	321.4	11.8	301.2	52.7
K09-7-7-8	88.4	2216.6	0.9	22.7	18.2	0.3	18.3	0.0	2.2	0.1	282.9	6.1	244.8	39.9	-106.2	450.3
K09-7-7-9	560.6	27311.6	2.2	17.4	1.1	0.6	1.7	0.1	1.3	0.8	491.6	6.3	494.6	6.7	508.3	23.4
K09-7-7-10	192.1	4024.4	2.6	16.6	23.5	0.4	23.7	0.0	3.0	0.1	286.6	8.4	324.7	65.9	607.5	514.6
K09-7-7-13	136.6	2463.0	1.2	23.1	8.9	0.3	10.9	0.1	6.3	0.6	322.8	19.8	271.3	26.0	-152.3	221.4
K09-7-7-14	134.7	2917.8	1.0	20.8	5.8	0.4	7.0	0.1	4.0	0.6	345.5	13.3	315.7	19.0	101.1	136.3
K09-7-7-15	255.3	4449.5	0.9	19.4	3.6	0.4	4.0	0.0	1.7	0.4	311.5	5.1	305.4	10.5	259.5	82.5
K09-7-7-16	235.1	4439.3	1.4	19.3	8.2	0.3	9.6	0.0	5.0	0.5	285.7	13.9	284.4	23.8	273.6	188.3
K09-7-7-17	142.1	2159.0	0.7	21.9	5.7	0.3	6.9	0.0	3.9	0.6	302.6	11.5	268.5	16.4	-19.3	138.7
K09-7-7-18	189.2	6317.8	1.1	17.5	3.0	0.6	3.2	0.1	1.1	0.3	499.2	5.4	498.7	12.8	496.4	67.2
K09-7-7-20	288.8	8341.3	1.7	17.9	5.3	0.4	6.6	0.1	3.9	0.6	334.9	12.7	349.6	19.6	448.3	118.9
K09-7-7-21	223.9	8130.6	0.8	16.6	16.6	0.4	17.1	0.0	3.8	0.2	276.8	10.3	315.8	46.3	614.2	361.5

K09-7-7-22	90.7	1319.9	1.4	24.8	13.7	0.3	14.0	0.0	2.7	0.2	286.5	7.7	228.8	28.6	-329.8	353.2
K09-7-7-23	102.7	2002.7	0.6	20.5	5.8	0.4	10.3	0.1	8.5	0.8	401.4	33.2	364.3	31.5	134.7	135.9
K09-7-7-24	364.0	6861.0	1.2	18.9	2.3	0.3	3.3	0.0	2.3	0.7	298.9	6.7	302.6	8.5	330.8	52.9
K09-7-7-25	229.6	3374.0	1.7	20.5	4.4	0.3	5.1	0.0	2.7	0.5	296.3	7.7	279.2	12.5	138.1	102.2
K08-034																
K08-034-1	460.1	90505.7	3.7	17.4	1.0	0.7	1.5	0.1	1.1	0.8	511.5	5.5	511.6	6.0	512.3	21.3
K08-034-2	117.2	2062.7	1.7	17.5	11.9	0.4	12.2	0.1	2.9	0.2	332.9	9.3	354.6	36.6	498.5	262.7
K08-034-3	320.6	35854.0	1.7	18.6	2.4	0.4	2.9	0.1	1.6	0.6	366.7	5.8	365.6	8.9	359.1	54.2
K08-034-4	89.0	12634.5	3.1	18.6	16.7	0.4	17.1	0.1	3.8	0.2	316.1	11.8	321.0	47.1	357.2	378.8
K08-034-5	94.6	12269.8	0.7	18.6	13.2	0.4	14.6	0.0	6.3	0.4	312.7	19.2	317.8	39.9	355.4	298.8
K08-034-6	582.6	32895.3	0.7	19.0	2.5	0.3	3.5	0.0	2.4	0.7	240.2	5.6	246.5	7.6	307.0	57.1
K08-034-8	61.3	5050.5	0.5	9.1	2.2	4.6	5.4	0.3	4.9	0.9	1698.0	73.6	1744.4	44.9	1800.5	39.2
K08-034-9	503.5	443930.9	2.1	8.4	1.6	5.5	5.3	0.3	5.1	1.0	1878.1	82.9	1908.0	45.8	1940.6	27.8
K08-034-10	93.3	6616.9	1.6	20.2	13.7	0.3	13.9	0.0	2.7	0.2	258.6	6.9	249.7	30.9	166.9	320.9
K08-034-11	396.4	112186.6	0.2	19.1	1.5	0.3	2.3	0.0	1.7	0.7	244.1	4.1	250.1	5.1	306.7	34.6
K08-3-4-1	1402.8	19288.7	2.6	19.3	0.7	0.3	2.5	0.0	2.4	1.0	263.1	6.3	264.1	5.9	272.7	17.0
K08-3-4-2	382.7	5285.2	1.5	19.7	2.2	0.3	2.9	0.0	1.9	0.7	261.7	4.9	259.1	6.7	235.9	51.1
K08-3-4-3	650.5	11162.3	1.4	19.0	1.1	0.3	3.1	0.0	2.9	0.9	277.4	7.8	280.8	7.6	309.0	25.9
K08-3-4-4	405.8	5279.9	2.4	20.4	2.7	0.3	2.9	0.0	1.0	0.3	264.3	2.5	253.3	6.5	152.3	63.9
K08-3-4-5	289.8	5259.4	2.3	19.5	2.3	0.4	2.8	0.1	1.6	0.6	366.8	5.8	351.6	8.4	253.0	53.1
K08-3-4-6	227.1	3481.4	0.7	20.1	4.9	0.3	5.0	0.0	1.0	0.2	271.6	2.6	263.1	11.6	187.9	114.1
K08-3-4-7	160.5	3343.1	1.8	19.7	3.7	0.5	4.3	0.1	2.2	0.5	417.5	9.0	389.4	13.9	226.1	85.2
K08-3-4-8	768.9	11711.7	2.6	19.3	1.0	0.3	1.4	0.0	1.1	0.7	295.9	3.0	294.4	3.7	282.9	22.1
K08-3-4-9	190.0	2467.8	1.0	21.3	4.7	0.3	4.9	0.0	1.3	0.3	261.2	3.4	240.9	10.4	48.2	111.8
K08-3-4-10	77.8	1344.4	0.9	23.4	12.5	0.3	12.7	0.0	2.2	0.2	281.6	6.0	237.3	26.9	-181.5	313.2
K08-3-4-11	247.6	6299.7	1.7	18.3	2.3	0.5	3.2	0.1	2.1	0.7	438.4	9.0	432.4	11.1	400.1	52.3
K08-3-4-12	206.1	4219.7	1.4	19.5	3.6	0.3	5.4	0.0	4.0	0.7	276.6	10.8	274.4	12.9	256.1	82.2
K08-3-4-13	424.7	14810.2	2.9	17.2	2.5	0.6	3.2	0.1	1.9	0.6	474.7	8.5	486.0	12.2	539.6	55.7
K08-3-4-14	164.9	4522.8	1.1	20.0	6.1	0.3	6.5	0.0	2.4	0.4	255.3	6.1	249.8	14.5	197.8	141.1
K08-3-4-15	391.4	8190.3	1.3	19.0	1.5	0.4	2.8	0.1	2.3	0.8	353.6	7.8	348.5	8.1	314.9	35.0
K08-3-4-16	386.8	5228.6	2.0	20.1	1.3	0.3	2.7	0.0	2.4	0.9	259.3	6.1	251.9	6.1	183.4	31.0
K08-3-4-16	313.8	4560.6	1.9	20.1	2.7	0.3	5.6	0.0	4.8	0.9	269.7	12.8	261.1	12.8	184.0	63.7
K08-3-4-17	197.6	3541.8	1.5	20.3	7.2	0.3	7.4	0.0	1.9	0.3	305.3	5.6	288.8	18.6	157.3	168.0
K08-3-4-18	231.0	3774.1	2.9	20.5	4.6	0.3	5.3	0.0	2.6	0.5	290.0	7.4	273.6	12.7	136.0	108.6
K08-3-4-20	411.2	5137.4	4.1	20.2	5.2	0.3	6.1	0.0	3.3	0.5	292.1	9.4	279.1	14.9	171.5	120.8

K08-3-4-21	187.5	3769.1	1.5	20.0	2.9	0.4	3.4	0.1	1.8	0.5	343.6	6.1	325.0	9.6	193.8	67.7
K08-3-4-22	381.9	5000.0	1.9	20.6	2.6	0.3	3.1	0.0	1.7	0.6	265.8	4.5	252.5	6.9	130.6	60.2
K08-3-4-23	291.4	20559.7	1.8	18.0	3.1	0.3	3.3	0.0	1.1	0.3	262.4	2.9	279.9	8.0	428.8	68.3
K08-3-4-23	80.9	2983.6	1.3	18.5	17.0	0.4	17.1	0.0	1.9	0.1	301.5	5.6	310.3	45.6	377.0	383.8
K08-3-4-26	237.3	3880.5	8.6	20.6	3.0	0.3	4.1	0.1	2.7	0.7	318.6	8.4	296.8	10.4	128.8	71.3
K08-3-4-28	479.8	10087.1	1.2	19.3	1.5	0.4	2.5	0.1	2.0	0.8	327.2	6.4	321.0	6.9	276.0	34.5
K08-3-4-29	72.4	1234.1	0.8	24.8	12.2	0.2	13.2	0.0	5.2	0.4	271.3	13.9	217.2	25.9	-334.8	314.0
K08-032																
K08-032-2	141.8	45713.9	1.6	9.8	0.8	4.1	3.2	0.3	3.1	1.0	1638.7	44.4	1650.7	25.8	1666.0	14.2
K08-032-6	147.7	24303.2	1.5	5.0	0.3	14.5	3.2	0.5	3.2	1.0	2721.8	70.6	2781.6	30.4	2825.3	5.0
K08-032-7	124.2	16753.6	1.7	5.4	0.6	12.8	1.4	0.5	1.3	0.9	2602.5	27.9	2662.0	13.5	2707.6	9.8
K08-032-8	363.5	16427.8	2.5	19.5	5.7	0.3	5.9	0.0	1.7	0.3	261.3	4.4	260.8	13.6	256.0	130.5
K08-032-10	367.6	13957.2	1.9	13.8	1.5	1.6	3.2	0.2	2.9	0.9	978.1	26.1	985.9	20.4	1003.4	30.3
K08-032-11	253.6	33573.5	2.9	17.6	2.7	0.6	3.7	0.1	2.5	0.7	493.2	11.9	490.9	14.5	480.0	60.5
K08-032-13	91.1	93121.6	0.7	5.4	0.6	13.1	3.7	0.5	3.6	1.0	2658.4	79.2	2686.1	34.8	2707.0	9.7
K08-032-14	104.5	9952.2	1.7	17.1	6.3	0.5	6.9	0.1	2.6	0.4	411.2	10.5	433.1	24.3	551.8	138.7
K08-032-15	239.9	22404.7	10.0	12.6	1.2	2.1	4.1	0.2	3.9	1.0	1145.6	40.7	1159.2	28.1	1184.8	23.7
K08-032-18	186.8	43676.6	3.9	11.2	1.6	2.9	2.1	0.2	1.4	0.7	1363.1	17.5	1379.5	16.2	1405.1	30.7
K08-032-19	142.3	69640.7	1.9	11.4	1.0	2.9	1.8	0.2	1.5	0.8	1367.1	18.7	1372.3	13.7	1380.2	19.3
D10-5-5																
D10-5-5-2	391.8	26685.2	1.2	19.7	3.1	0.3	9.3	0.0	8.8	0.9	264.6	22.8	261.3	21.5	231.9	71.1
D10-5-5-3	119.1	10416.1	1.6	20.7	10.6	0.3	11.0	0.1	2.8	0.3	314.8	8.6	291.7	27.9	110.1	251.6
D10-5-5-4	925.2	149738.1	2.0	18.1	1.2	0.5	2.4	0.1	2.1	0.9	393.3	8.1	397.8	8.0	424.3	26.7
D10-5-5-5	251.2	40759.3	1.4	18.5	5.9	0.4	6.3	0.1	2.2	0.3	332.8	7.0	338.4	18.1	377.2	133.2
D10-5-5-7	1083.1	271007.8	1.8	17.2	0.5	0.7	10.0	0.1	9.9	1.0	540.9	51.6	538.9	41.7	530.7	9.9
D10-5-5-8	286.1	21646.2	1.2	8.8	0.4	5.1	1.6	0.3	1.6	1.0	1794.6	24.3	1828.9	13.5	1868.2	6.7
D10-5-5-9	369.2	146545.5	1.5	17.5	2.2	0.7	3.2	0.1	2.3	0.7	512.2	11.5	508.8	12.8	493.6	48.0
D10-5-5-10	665.8	105974.5	1.2	18.2	1.0	0.5	4.1	0.1	4.0	1.0	390.8	15.2	392.8	13.5	404.3	22.7
D10-5-5-11	311.8	320190.7	1.9	8.8	0.7	5.3	1.9	0.3	1.8	0.9	1857.0	29.2	1861.9	16.4	1867.2	11.8
D10-5-5-12	232.9	29754.4	1.3	19.0	8.3	0.4	9.5	0.0	4.7	0.5	304.4	13.9	306.0	25.1	317.9	187.9
D10-5-5-13	118.5	17058.4	1.8	17.6	4.2	0.6	4.6	0.1	1.7	0.4	490.4	8.2	489.8	17.7	486.9	93.2
D10-5-5-14	406.0	63471.7	2.3	17.4	2.8	0.6	8.3	0.1	7.8	0.9	509.4	38.0	508.3	33.0	503.6	62.0
D10-5-5-15	79.4	60686.1	1.6	8.7	1.6	5.4	2.1	0.3	1.3	0.6	1881.8	21.3	1881.0	18.0	1880.2	29.7
D10-5-5-16	174.5	318129.2	1.6	8.8	0.5	5.4	2.8	0.3	2.8	1.0	1899.9	46.2	1881.4	24.3	1861.0	8.3
D10-5-5-17	86.7	6299.8	0.8	22.2	22.3	0.3	22.8	0.0	4.5	0.2	262.4	11.7	232.9	47.5	-55.3	549.8

A10-10-2																
A10-10-2-2	363.5	15853.5	1.1	19.6	5.6	0.3	5.8	0.0	1.4	0.2	254.1	3.5	253.2	13.0	245.8	129.3
A10-10-2-4	242.1	45927.9	1.8	17.5	2.8	0.6	3.6	0.1	2.2	0.6	475.7	10.2	480.4	13.7	502.8	61.2
A10-10-2-5	75.7	25900.7	1.4	8.8	1.2	5.0	1.5	0.3	1.0	0.6	1787.6	15.3	1816.6	13.0	1850.1	21.3
A10-10-2-6	72.1	9506.2	2.1	18.2	9.6	0.6	10.0	0.1	3.0	0.3	479.4	14.0	467.9	37.7	412.0	214.6
A10-10-2-7	291.9	49025.0	2.9	17.7	2.5	0.6	2.8	0.1	1.0	0.4	476.2	4.8	475.9	10.5	474.4	56.4
A10-10-2-8	60.4	2307.4	1.6	23.5	23.7	0.3	24.3	0.0	5.5	0.2	306.0	16.5	254.3	54.8	-198.5	600.9
A10-10-2-10	181.6	30625.6	6.7	17.6	3.8	0.6	4.2	0.1	1.6	0.4	496.4	7.8	493.6	16.3	480.5	85.1
A10-10-2-11	235.1	18095.3	0.9	19.4	4.4	0.3	5.7	0.0	3.7	0.6	257.6	9.2	258.1	13.0	263.2	100.4
A10-10-2-13	90.1	4593.8	0.6	20.5	18.7	0.3	19.1	0.0	4.2	0.2	274.8	11.3	261.1	44.1	139.7	441.6
A10-10-2-15	137.0	6394.0	0.6	20.1	9.0	0.3	9.6	0.0	3.2	0.3	259.8	8.1	252.0	21.3	179.7	210.3
A10-10-2-16	304.4	42630.5	2.4	15.2	1.5	1.2	9.5	0.1	9.4	1.0	798.6	70.5	798.3	52.6	797.5	31.1
A10-10-2-17	231.2	15625.5	1.1	19.3	5.4	0.3	6.0	0.0	2.6	0.4	279.7	7.0	279.4	14.6	276.5	124.2
A10-10-2-18	351.2	19682.9	0.9	19.7	4.8	0.3	5.2	0.0	1.9	0.4	267.2	5.0	263.1	12.0	226.6	111.6
A10-10-2-19	170.5	20974.6	1.2	16.0	3.3	0.9	4.4	0.1	2.9	0.7	644.9	17.7	654.3	21.1	686.8	70.4
A10-10-2-20	482.4	15542.9	2.6	19.0	2.6	0.4	4.1	0.1	3.3	0.8	327.6	10.4	326.2	11.6	316.4	58.3
A10-10-2-21	102.3	5609.4	0.5	19.6	13.3	0.3	14.0	0.0	4.4	0.3	264.6	11.3	261.9	32.4	237.5	309.0
A10-10-2-22	275.1	26850.8	1.2	19.0	3.8	0.4	4.6	0.1	2.6	0.6	322.6	8.1	321.9	12.7	316.7	86.3
A10-10-2-23	89.9	7414.8	0.8	21.3	14.1	0.3	15.1	0.0	5.5	0.4	264.4	14.3	243.6	32.8	47.5	338.0
A10-10-2-24	625.6	24315.4	1.5	18.6	3.2	0.4	3.6	0.0	1.6	0.4	308.3	4.8	315.0	9.7	365.0	72.2
A10-10-2-25	73.1	14525.7	1.1	14.7	5.0	1.4	6.9	0.1	4.7	0.7	885.1	39.0	882.2	40.7	874.9	104.5
A10-10-2-26	279.2	12253.5	1.4	19.1	2.4	0.4	3.6	0.1	2.7	0.8	344.9	9.2	338.9	10.5	297.7	54.2
A10-10-2-27	80.5	2134.9	0.4	14.1	37.3	0.4	37.4	0.0	2.6	0.1	280.6	7.1	366.6	115.4	954.4	789.2
A10-10-2-28	649.3	35717.8	3.3	18.8	2.1	0.4	7.0	0.1	6.7	1.0	323.7	21.0	325.6	19.4	338.9	47.5
A10-10-2-29	171.9	3376.2	1.0	18.1	11.8	0.3	12.1	0.0	2.7	0.2	253.1	6.8	271.0	28.8	427.8	264.2
A10-10-2-30	325.1	25284.1	1.2	17.9	2.7	0.6	4.4	0.1	3.5	0.8	461.6	15.5	458.6	16.3	443.1	60.6
A10-10-2-34	145.4	65090.3	1.5	8.7	1.0	5.2	2.4	0.3	2.2	0.9	1850.9	35.2	1859.3	20.4	1868.8	17.5
A10-10-2-35	302.2	8963.9	1.3	19.3	5.4	0.4	7.7	0.1	5.5	0.7	355.9	19.0	345.8	22.5	278.3	122.8
A10-10-2-36	181.7	7738.9	0.7	19.1	7.8	0.3	9.7	0.0	5.9	0.6	266.9	15.4	270.3	23.1	299.7	177.1
A10-10-2-37	77.7	4783.5	2.0	20.4	9.0	0.5	9.4	0.1	2.5	0.3	459.9	11.0	411.8	31.7	150.3	211.7
A10-10-2-38	85.7	2052.4	0.6	23.1	15.8	0.2	16.5	0.0	4.6	0.3	262.9	11.9	224.9	33.3	-155.9	395.3
A10-10-2-39	291.1	16790.9	3.5	17.3	3.2	0.6	4.9	0.1	3.7	0.8	483.7	17.3	489.4	19.0	516.2	69.9
A10-10-2-40	545.4	19642.1	1.7	18.8	1.8	0.4	3.0	0.0	2.4	0.8	310.7	7.2	313.6	8.1	335.0	41.8
A10-10-2-41	179.2	10288.2	2.2	17.9	4.7	0.6	5.0	0.1	1.8	0.4	516.1	9.1	504.2	19.9	450.6	103.3
A10-10-2-42	438.2	27201.2	2.4	17.5	1.9	0.7	2.8	0.1	2.0	0.7	513.8	10.0	510.0	11.2	493.2	42.8
A10-10-2-43	289.1	14572.8	1.8	18.4	4.1	0.5	5.7	0.1	3.9	0.7	392.8	14.8	391.5	18.4	383.9	93.0

A10-10-2-44	507.7	19118.3	0.7	18.9	2.2	0.3	2.3	0.0	0.8	0.4	293.6	2.3	296.5	6.0	319.8	49.4
A10-10-2-45	389.1	25209.1	0.6	18.8	4.1	0.3	7.4	0.0	6.1	0.8	253.1	15.2	261.5	17.0	337.8	93.5
A10-10-2-46	282.4	14990.1	1.3	17.4	2.6	0.6	3.1	0.1	1.6	0.5	504.7	7.8	504.5	12.2	503.7	57.6
A10-10-2-47	971.3	57854.5	1.4	17.4	1.0	0.6	1.8	0.1	1.5	0.8	480.2	7.0	484.3	7.0	503.4	22.2
A10-10-2-48	261.5	27121.4	1.7	17.7	2.8	0.6	4.9	0.1	4.0	0.8	493.1	18.8	488.4	18.9	466.2	63.0
A10-10-2-49	741.3	27301.7	1.3	18.8	1.2	0.4	1.9	0.0	1.5	0.8	304.0	4.4	308.5	5.1	342.5	26.7
A10-3-3																
A10-3-3-2	81.9	4317.0	0.4	20.1	18.3	0.3	19.3	0.0	6.1	0.3	265.9	15.8	257.5	43.9	181.6	430.1
A10-3-3-3	35.5	3523.5	3.4	17.5	15.2	0.6	16.0	0.1	4.7	0.3	483.9	22.0	486.6	61.8	499.4	337.6
A10-3-3-4	85.4	5012.4	0.5	24.8	34.1	0.2	34.8	0.0	7.1	0.2	257.5	17.9	207.6	65.5	-327.8	898.2
A10-3-3-5	237.8	14568.4	1.6	19.1	3.1	0.3	3.7	0.0	1.9	0.5	265.5	5.0	269.3	8.6	302.6	71.0
A10-3-3-6	242.2	18307.7	1.0	19.8	4.6	0.3	5.8	0.0	3.5	0.6	259.2	8.9	255.2	13.0	218.8	105.8
A10-3-3-7	161.3	7868.6	0.6	16.6	10.5	0.3	11.4	0.0	4.4	0.4	249.6	10.7	288.0	28.5	612.3	227.5
A10-3-3-8	261.6	18091.1	1.5	20.0	5.7	0.3	6.1	0.0	2.1	0.4	264.2	5.5	257.6	13.8	197.7	132.3
A10-3-3-10	100.4	8954.5	1.3	17.1	9.1	0.6	9.6	0.1	3.2	0.3	478.8	15.0	489.9	37.4	542.3	198.6
A10-3-3-11	155.7	13851.6	2.0	18.0	3.0	0.6	4.7	0.1	3.6	0.8	495.5	17.3	484.7	18.2	433.8	67.7
A10-3-3-13	113.3	32273.1	1.8	15.2	2.5	1.2	3.6	0.1	2.6	0.7	819.2	20.0	813.6	20.3	798.2	52.9
A10-3-3-15	285.7	23011.3	1.7	19.2	3.3	0.4	3.7	0.1	1.7	0.5	318.8	5.2	315.8	10.0	293.9	75.4
A10-3-3-16	110.4	21653.8	1.3	16.0	2.9	1.0	3.7	0.1	2.2	0.6	717.5	15.0	711.5	18.8	692.6	62.4
A10-3-3-17	134.2	29469.8	2.7	18.4	4.1	0.6	4.8	0.1	2.5	0.5	467.8	11.1	454.6	17.4	388.1	91.4
A10-3-3-19	142.0	13619.7	2.5	17.8	5.9	0.6	7.0	0.1	3.8	0.5	496.7	18.0	490.5	27.3	461.5	131.6
A10-3-3-20	225.8	22641.8	1.8	18.8	3.4	0.5	5.2	0.1	3.9	0.7	388.7	14.6	382.0	16.5	341.4	78.0
A10-3-3-20-TIP	170.0	25022.4	2.1	18.9	5.2	0.4	5.4	0.1	1.4	0.3	384.5	5.4	376.1	16.9	324.9	117.4
A10-3-3-22	152.6	99347.3	2.1	8.7	0.5	5.3	7.3	0.3	7.3	1.0	1873.3	118.1	1873.3	62.3	1873.2	9.5
A10-3-3-24	678.0	49668.0	1.5	19.1	2.0	0.4	3.1	0.0	2.4	0.8	307.9	7.1	306.9	8.2	298.9	46.1
A10-3-3-25	145.0	20473.9	2.1	15.2	1.4	1.2	3.3	0.1	3.0	0.9	828.7	23.5	821.6	18.8	802.2	29.9
A10-3-3-26	86.1	4474.2	1.2	19.3	12.2	0.3	13.1	0.0	4.7	0.4	272.5	12.5	272.5	31.2	272.9	280.2
A10-3-3-28	134.1	7377.9	0.7	19.1	7.5	0.3	8.1	0.0	3.0	0.4	256.2	7.4	260.3	18.5	297.6	171.1
A10-3-3-29	109.8	5675.9	0.6	19.5	10.2	0.3	10.7	0.0	3.4	0.3	264.1	8.7	262.8	24.8	251.2	234.2
A10-3-3-30	303.5	54733.7	3.6	17.3	1.7	0.7	4.7	0.1	4.4	0.9	509.2	21.7	511.3	19.1	520.5	37.4
A10-3-3-31	163.4	6497.1	0.7	20.2	6.2	0.3	7.1	0.0	3.4	0.5	270.4	9.1	260.0	16.2	167.1	144.4
A10-3-3-34	67.0	1790.6	0.9	27.5	21.7	0.2	22.9	0.0	7.3	0.3	271.2	19.3	197.9	41.2	-605.5	595.6
A10-3-3-35	448.7	53078.5	1.2	17.2	2.0	0.7	6.1	0.1	5.8	0.9	528.1	29.3	528.8	25.2	531.7	43.6
A10-3-3-36	144.0	6499.7	0.9	20.3	7.5	0.3	7.8	0.0	1.9	0.2	271.1	5.0	259.8	17.8	158.7	176.7
A10-3-3-37	155.9	7512.5	1.1	21.6	7.8	0.3	10.1	0.0	6.3	0.6	287.8	17.9	259.6	23.0	12.2	187.7

A10-3-3-38	159.1	57431.0	2.7	8.8	0.6	5.4	1.6	0.3	1.5	0.9	1902.8	24.8	1881.0	13.9	1857.1	10.6
A10-3-3-39	69.8	4676.4	1.0	18.4	11.5	0.4	12.6	0.0	5.3	0.4	296.3	15.2	306.5	33.4	384.9	258.3
A10-3-3-41	295.8	17550.0	4.4	18.8	3.0	0.4	6.2	0.1	5.4	0.9	334.9	17.6	335.0	17.7	336.0	68.5
A10-3-3-42	128.1	5825.7	1.1	21.5	10.4	0.3	11.7	0.0	5.3	0.5	254.6	13.3	233.3	24.4	24.0	250.4
A10-3-3-43	872.7	101015.5	4.1	17.6	0.6	0.6	1.9	0.1	1.8	1.0	448.3	7.9	454.0	7.0	483.4	12.7
A10-3-3-45	216.3	22371.9	1.7	17.8	2.1	0.6	3.7	0.1	3.1	0.8	469.3	14.0	467.2	14.0	456.5	46.7
A10-3-3-46	300.0	30116.1	2.2	17.8	2.2	0.6	4.3	0.1	3.7	0.9	444.9	15.9	447.6	15.6	461.5	48.9
A10-3-3-47	50.3	2873.2	0.4	23.2	17.6	0.2	19.4	0.0	8.2	0.4	264.8	21.2	226.3	39.4	-157.7	440.0
A10-3-3-48	103.0	12833.5	3.2	18.0	3.8	0.6	6.2	0.1	5.0	0.8	467.1	22.4	461.9	23.1	436.2	83.6
A10-3-3-49	184.7	16185.3	5.1	18.0	3.7	0.6	4.5	0.1	2.5	0.6	471.3	11.4	465.1	16.7	434.6	82.7
A10-3-3-50	371.2	44427.1	14.9	17.5	1.3	0.6	3.6	0.1	3.3	0.9	487.5	15.6	489.4	13.9	498.5	29.6
A10-3-3-51	1242.3	141289.7	2.8	17.4	0.7	0.6	1.6	0.1	1.4	0.9	483.7	6.5	489.0	6.1	513.6	16.0
A10-3-3-53	530.1	33939.9	2.4	17.5	1.1	0.6	2.9	0.1	2.7	0.9	486.3	12.6	487.9	11.2	495.4	24.2
A10-3-3-52	86.1	28643.4	3.9	15.4	2.9	1.2	3.0	0.1	1.0	0.3	783.2	7.3	780.6	16.4	773.3	60.0
A10-3-3-54	253.4	28559.7	1.1	17.6	2.3	0.6	6.9	0.1	6.6	0.9	457.5	29.0	461.3	25.7	480.3	49.9
A10-3-3-55	66.9	6711.9	2.5	18.2	9.9	0.5	10.8	0.1	4.2	0.4	438.5	17.8	434.4	38.0	412.4	222.0
A10-3-3-56	78.2	13623.0	1.6	17.6	5.8	0.6	7.5	0.1	4.7	0.6	471.5	21.4	474.2	28.3	487.4	128.1
A10-3-3-57	303.3	102144.0	3.1	9.1	5.8	4.3	11.3	0.3	9.7	0.9	1627.9	139	1701.4	93.5	1793.1	106.2
A10-3-3-58	51.1	3838.5	0.4	21.2	29.4	0.3	30.1	0.0	6.1	0.2	262.4	15.6	242.8	65.0	57.4	715.3
A10-3-3-59	227.7	15968.3	1.5	20.3	4.7	0.3	5.0	0.0	1.6	0.3	253.9	4.0	244.8	10.9	158.8	110.8
A10-3-3-60	164.5	14219.0	0.5	16.6	3.7	0.6	4.8	0.1	3.1	0.7	463.3	14.1	488.1	18.7	606.3	79.1
A10-3-3-61	81.7	15396.7	1.6	17.3	5.4	0.6	6.5	0.1	3.6	0.6	496.3	17.4	501.8	25.7	527.3	117.9
A10-3-3-62	91.8	3713.5	0.8	21.6	10.3	0.3	11.0	0.0	3.6	0.3	272.0	9.6	246.3	24.0	8.1	249.4
A10-3-3-63	408.8	35350.0	4.3	18.8	2.5	0.4	3.4	0.0	2.3	0.7	312.5	6.9	314.9	9.1	332.8	56.7
A10-3-3-64	344.3	56679.5	1.4	17.5	2.2	0.6	3.3	0.1	2.4	0.7	508.2	11.9	505.5	13.2	493.2	49.2
A10-3-3-65	449.0	41614.5	8.6	17.6	1.2	0.6	2.3	0.1	1.9	0.8	473.4	8.8	474.4	8.7	479.6	26.8
A10-3-3-66	134.6	27453.6	1.4	17.7	6.1	0.6	6.4	0.1	2.0	0.3	485.8	9.3	483.3	24.6	471.9	134.7
A10-3-3-67	45.1	3130.7	0.7	21.9	38.3	0.3	38.7	0.0	6.1	0.2	253.1	15.2	228.7	79.5	-15.1	955.5
A10-3-3-68	69.2	52756.8	1.7	8.7	0.8	5.2	1.6	0.3	1.3	0.8	1844.4	21.1	1857.6	13.3	1872.5	15.2
A10-3-3-70	405.6	143687.6	2.5	11.9	1.4	2.6	3.5	0.2	3.2	0.9	1315.6	38.5	1308.8	25.9	1297.8	27.1
A10-3-3-71	227.7	18213.1	2.7	18.0	3.4	0.5	5.3	0.1	4.1	0.8	424.0	16.7	426.5	18.5	440.0	76.4
A10-3-3-73	714.6	111463.6	5.3	17.7	1.0	0.6	2.5	0.1	2.3	0.9	445.5	9.9	449.9	9.1	472.3	21.6
A10-3-3-74	144.7	15462.0	0.7	19.3	7.6	0.4	8.3	0.0	3.5	0.4	310.5	10.6	306.2	22.0	273.8	173.6
A10-3-3-75	144.1	20910.1	6.9	18.0	4.6	0.4	5.7	0.1	3.3	0.6	352.0	11.4	364.0	17.4	440.5	102.6
A10-3-3-76	267.3	19020.0	1.4	19.5	4.1	0.3	6.0	0.0	4.4	0.7	299.1	12.9	294.4	15.5	257.1	94.9
A10-3-3-77	134.4	22539.1	2.6	16.7	3.1	0.7	4.9	0.1	3.8	0.8	511.8	18.5	527.7	20.1	597.2	67.2

A10-3-3-79	287.2	27153.2	3.1	17.6	1.4	0.6	2.9	0.1	2.5	0.9	475.9	11.4	476.4	10.9	478.7	32.0
A10-3-3-80	96.2	5787.1	1.0	20.7	16.6	0.3	18.6	0.0	8.4	0.4	263.3	21.6	249.3	41.2	120.0	394.4
A10-3-3-81	79.2	2493.4	0.7	20.2	8.3	0.3	9.3	0.0	4.2	0.5	270.9	11.1	260.5	21.3	168.4	193.5
A10-3-3-82	32.9	3779.4	1.6	18.8	23.6	0.5	24.2	0.1	5.3	0.2	447.0	23.1	428.6	84.8	331.2	541.8
A10-3-3-83	350.3	37487.6	2.7	18.0	2.0	0.5	5.5	0.1	5.1	0.9	442.2	21.9	442.0	19.7	440.8	44.2
A10-3-3-86	385.7	36766.6	4.1	18.9	2.6	0.4	4.4	0.0	3.5	0.8	312.6	10.8	314.5	11.9	329.0	59.1
A10-3-3-88	182.3	10185.0	1.3	19.6	3.3	0.4	5.6	0.1	4.6	0.8	320.3	14.3	310.6	15.0	238.2	75.5
A10-3-3-89	461.6	45797.2	2.7	17.2	2.0	0.6	7.9	0.1	7.7	1.0	461.3	34.2	472.9	30.0	529.9	42.9
A10-3-3-90	145.2	13497.2	1.4	17.6	3.5	0.6	4.8	0.1	3.4	0.7	453.8	14.7	458.4	17.8	481.8	76.7
A10-3-3-91	696.7	54274.8	1.4	18.9	0.9	0.4	3.6	0.1	3.5	1.0	317.3	10.8	318.7	9.8	328.8	20.3
A10-3-3-93	54.7	3616.1	1.8	19.9	11.4	0.3	15.1	0.0	10.0	0.7	304.9	29.7	293.7	38.6	205.0	264.8
A10-3-3-94	149.2	6293.4	2.3	20.1	6.4	0.3	7.1	0.1	3.1	0.4	315.4	9.5	300.2	18.5	184.2	149.6
A10-3-3-95	109.1	8835.3	0.5	19.4	11.8	0.3	12.3	0.0	3.3	0.3	271.6	8.7	271.0	29.2	266.2	272.0
A10-3-3-96	392.5	59510.9	1.4	18.6	2.7	0.4	5.8	0.1	5.2	0.9	350.3	17.6	351.7	17.3	361.5	60.0
A10-3-3-97	113.9	7989.5	1.7	18.5	6.8	0.6	7.1	0.1	2.0	0.3	466.3	9.0	451.5	25.8	376.8	153.1
A10-3-3-98	182.8	9165.9	1.6	17.6	7.0	0.4	7.2	0.1	1.7	0.2	325.0	5.3	345.3	21.0	483.6	154.3
A10-3-3-99	130.4	9561.4	0.6	20.1	9.7	0.3	13.3	0.0	9.1	0.7	262.6	23.4	254.8	30.0	184.5	225.6
A10-3-3-99	155.4	6702.4	1.0	21.4	10.1	0.3	10.5	0.0	2.8	0.3	266.9	7.4	245.0	22.9	39.5	242.7
A10-3-3-101	1074.8	86276.5	1.4	18.8	1.2	0.4	2.8	0.1	2.5	0.9	322.8	8.0	324.4	7.7	336.4	26.5
A10-3-3-102	164.0	14180.9	2.7	17.9	2.8	0.6	3.6	0.1	2.2	0.6	496.7	10.5	487.8	13.8	446.0	62.5
A10-3-3-7.1	32.5	2847.4	0.2	20.6	20.3	0.3	21.6	0.0	7.6	0.4	265.3	19.8	252.1	48.4	130.3	481.0
A10-3-3-2.1	109.2	6056.6	0.9	18.7	5.2	0.3	6.6	0.0	4.0	0.6	272.9	10.7	281.5	16.2	353.4	118.3
A10-3-3-1.1	497.8	12606.5	1.1	18.8	2.4	0.3	3.5	0.0	2.6	0.7	289.5	7.4	294.2	9.0	331.8	53.7
A10-3-3-4.1	155.8	26271.6	1.1	19.6	3.9	0.3	4.5	0.0	2.2	0.5	305.8	6.6	298.9	11.5	245.4	89.1
A10-3-3-3.1	526.7	27035.0	1.6	18.8	1.5	0.4	7.9	0.1	7.7	1.0	317.4	23.8	319.1	21.5	331.3	34.9
A10-3-3-5.1	213.2	6611.5	1.3	18.4	3.6	0.4	6.8	0.1	5.8	0.9	336.1	19.0	342.6	19.8	387.3	80.2
A10-3-3-6.1	39.9	4977.2	1.2	21.9	21.4	0.4	21.7	0.1	3.7	0.2	371.7	13.4	322.1	59.9	-22.5	522.1
A10-3-3-8.1	266.7	22383.7	1.7	18.3	3.3	0.5	3.8	0.1	1.9	0.5	397.6	7.2	398.5	12.6	403.7	74.6
K09-13-5																
K09-13-5-4.4	101.7	5995.9	0.5	20.9	6.7	0.3	7.3	0.0	2.9	0.4	254.4	7.1	239.6	15.6	97.0	159.1
K09-13-5-1.9	93.2	6937.7	0.7	19.7	12.8	0.3	12.9	0.0	1.7	0.1	256.4	4.3	253.3	29.0	225.2	296.8
K09-13-5-3.7	188.2	9423.2	0.6	18.8	4.5	0.3	5.3	0.0	2.8	0.5	256.4	7.0	264.0	12.4	332.4	102.7
K09-13-5-1.1	395.9	129227.2	0.8	19.1	2.3	0.3	2.6	0.0	1.2	0.5	259.7	3.1	264.1	6.1	303.0	52.7
K09-13-5-3.1	220.3	22237.8	0.9	19.1	3.8	0.3	4.1	0.0	1.7	0.4	263.8	4.3	267.7	9.8	301.3	86.5
K09-13-5-6.2	86.9	16762.6	0.5	20.4	12.3	0.3	13.0	0.0	4.2	0.3	267.3	11.1	255.2	29.3	145.7	288.5

K09-13-5-2.6	203.1	69420.6	1.0	19.0	5.1	0.3	5.6	0.0	2.4	0.4	267.6	6.2	272.3	13.4	313.3	115.7
K09-13-5-4.10	96.4	15854.0	1.0	16.3	29.7	0.4	30.5	0.0	6.7	0.2	268.9	17.6	312.8	82.2	653.8	650.9
K09-13-5-2.4	128.9	14248.4	0.7	20.1	6.5	0.3	7.0	0.0	2.7	0.4	269.7	7.1	260.7	16.2	180.7	151.2
K09-13-5-4.7	260.3	43300.8	0.7	19.5	5.9	0.3	8.0	0.0	5.4	0.7	270.7	14.4	269.5	19.0	259.4	136.1
K09-13-5-5.2	118.3	23358.8	0.7	18.7	6.3	0.3	6.8	0.0	2.5	0.4	272.7	6.8	281.0	16.7	350.2	142.4
K09-13-5-6.8	152.2	13169.0	1.4	18.8	2.1	0.3	2.4	0.0	1.2	0.5	274.4	3.2	280.7	5.9	333.4	46.9
K09-13-5-3.3	84.1	23047.3	0.5	19.1	8.0	0.3	8.4	0.0	2.5	0.3	275.8	6.9	278.1	20.4	297.6	182.9
K09-13-5-4.10A	74.9	19627.2	1.0	17.0	9.6	0.4	10.7	0.0	4.8	0.4	278.5	13.2	311.1	28.8	562.7	209.6
K09-13-5-6.5	41.2	3692.7	0.3	16.0	17.7	0.4	18.5	0.0	5.5	0.3	283.4	15.2	332.7	52.5	693.7	379.2
K09-13-5-2.7	68.8	7564.6	0.5	19.0	11.9	0.3	13.3	0.0	6.0	0.4	284.8	16.7	287.7	33.4	311.0	272.4
K09-13-5-1.3	59.3	5726.8	0.7	20.0	12.1	0.3	12.4	0.0	2.5	0.2	285.7	6.9	275.5	29.9	190.1	282.9
K09-13-5-1.8	355.1	26073.7	2.0	19.6	2.4	0.3	3.8	0.0	3.0	0.8	287.5	8.3	282.2	9.4	238.4	56.1
K09-13-5-6.3	109.3	7319.7	0.9	18.0	9.1	0.4	9.5	0.0	2.6	0.3	289.9	7.5	307.0	25.1	439.1	202.9
K09-13-5-4.1	69.5	4144.8	0.2	18.2	14.5	0.4	14.7	0.0	2.5	0.2	300.2	7.4	312.4	39.6	404.3	326.6
K09-13-5-2.9	432.6	53234.6	1.3	19.2	1.6	0.3	2.7	0.0	2.2	0.8	301.9	6.5	301.1	7.1	294.7	36.5
K09-13-5-6.6	323.1	2825.7	1.1	17.2	10.0	0.4	10.2	0.0	2.1	0.2	301.9	6.1	329.5	28.8	528.8	219.7
K09-13-5-5.10	274.4	41289.1	1.9	19.3	3.2	0.3	6.0	0.0	5.1	0.8	302.6	15.0	300.2	15.5	282.2	72.4
K09-13-5-4.8	236.7	17434.1	1.3	19.4	3.0	0.3	3.5	0.0	1.7	0.5	304.5	5.1	300.0	9.0	265.2	68.9
K09-13-5-1.10	91.9	12663.9	1.0	19.7	5.3	0.3	6.1	0.1	3.0	0.5	314.6	9.3	304.6	16.1	228.6	122.4
K09-13-5-3.8	33.1	2999.4	2.5	19.6	22.4	0.4	23.0	0.1	5.3	0.2	315.9	16.3	307.0	61.1	240.0	522.6
K09-13-5-5.5	551.1	80220.2	0.8	19.0	1.0	0.4	2.5	0.1	2.3	0.9	316.4	7.0	316.4	6.8	316.8	23.7
K09-13-5-5.4	41.5	3291.6	0.4	19.7	18.4	0.4	18.8	0.1	3.7	0.2	319.2	11.5	308.5	50.1	228.3	429.0
K09-13-5-3.9	132.7	1358.3	0.7	17.0	8.8	0.4	9.5	0.1	3.6	0.4	322.3	11.4	353.4	28.5	562.8	192.5
K09-13-5-3.6	239.2	15745.9	1.8	19.0	2.1	0.4	4.9	0.1	4.4	0.9	323.4	13.9	322.0	13.5	312.0	47.9
K09-13-5-2.8	258.2	3747.2	1.2	16.2	20.4	0.4	20.6	0.1	2.8	0.1	329.7	9.1	375.8	64.8	670.5	440.8
K09-13-5-5.7	143.8	31686.3	1.7	19.2	5.5	0.4	5.7	0.1	1.6	0.3	335.8	5.3	330.4	16.1	292.1	125.0
K09-13-5-5.3	309.3	19354.2	1.8	19.2	6.4	0.4	11.5	0.1	9.6	0.8	340.9	31.8	334.7	32.9	292.2	147.2
K09-13-5-3.2	471.7	80352.8	1.8	18.3	1.7	0.5	3.9	0.1	3.6	0.9	402.7	13.9	402.7	13.0	402.3	37.0
K09-13-5-1.1	205.2	9162.4	2.1	17.6	2.3	0.6	2.7	0.1	1.5	0.5	462.5	6.5	465.2	10.2	478.5	51.3
K09-13-5-5.6	675.1	62704.7	0.7	17.5	0.5	0.6	3.1	0.1	3.1	1.0	472.2	13.9	477.5	11.8	502.9	10.7
K09-13-5-4.3	251.6	96075.9	2.4	17.4	1.5	0.6	2.4	0.1	1.8	0.8	476.3	8.5	482.7	9.3	512.9	33.9
K09-13-5-5.1	429.2	90804.7	1.4	17.6	1.5	0.6	3.1	0.1	2.8	0.9	478.5	12.8	479.3	12.0	483.1	32.2
K09-13-5-1.5	56.2	25053.5	1.9	17.4	7.2	0.6	7.5	0.1	2.1	0.3	485.1	9.9	489.3	29.1	509.3	158.3
K09-13-5-4.6	137.2	42537.8	1.4	18.0	4.9	0.6	5.2	0.1	1.7	0.3	487.5	8.0	477.6	19.8	430.5	109.2
K09-13-5-6.1	212.4	80416.1	1.2	17.3	1.7	0.6	3.3	0.1	2.8	0.9	491.8	13.3	496.7	13.0	518.9	38.0
K09-13-5-4.2	663.5	202769.6	2.8	17.5	0.9	0.6	4.0	0.1	3.9	1.0	498.5	18.7	498.6	15.7	499.0	19.3

K09-13-5-4.9	463.8	71167.5	2.1	17.4	0.9	0.6	2.3	0.1	2.1	0.9	501.1	9.9	502.6	9.0	509.3	20.8
K09-13-5-3.10	47.2	19604.5	2.5	18.9	12.1	0.6	12.3	0.1	1.9	0.2	507.7	9.3	476.5	46.7	328.7	275.8
K09-13-5-2.2	294.1	48464.5	2.5	17.8	1.5	0.6	3.5	0.1	3.2	0.9	507.7	15.6	498.6	13.9	456.6	33.5
K09-13-5-6.7	380.8	56996.8	2.4	17.4	0.9	0.7	1.5	0.1	1.2	0.8	511.2	5.8	511.5	5.9	512.9	19.4
K09-13-5-4.5	194.3	62396.4	3.2	17.6	1.3	0.6	2.8	0.1	2.5	0.9	512.2	12.3	506.8	11.3	482.9	29.6
K09-13-5-2.3	263.9	49873.1	20.3	17.6	1.8	0.6	2.6	0.1	1.9	0.7	512.9	9.3	507.5	10.5	483.3	40.2
K09-13-5-2.10	482.8	131024.2	4.2	17.3	1.1	0.7	2.2	0.1	1.9	0.9	519.5	9.6	518.9	9.0	516.2	23.5
K09-13-5-2.1	112.7	26747.2	1.8	17.0	2.3	0.7	3.0	0.1	1.9	0.6	521.2	9.7	527.4	12.4	554.4	50.3
K09-13-5-3.5	122.1	63214.3	5.9	16.8	2.5	0.7	5.6	0.1	5.0	0.9	549.4	26.6	557.0	24.1	588.5	53.2
K09-13-5-6.4	38.6	28115.0	0.9	15.3	4.4	1.2	4.8	0.1	2.1	0.4	806.6	15.9	800.7	26.9	784.2	91.9
K09-13-5-1.4	505.2	354313.4	1.7	8.8	0.5	5.1	4.2	0.3	4.2	1.0	1817.0	65.8	1833.7	35.5	1852.7	8.7
K09-13-5-6.1	71.2	74220.1	1.5	8.8	0.9	5.0	4.7	0.3	4.6	1.0	1777.8	72.1	1813.7	40.0	1855.1	17.0
K09-13-5-5.9	187.8	259059.9	1.1	8.8	0.3	5.3	2.2	0.3	2.2	1.0	1876.4	35.5	1867.7	18.8	1858.0	5.0
K09-13-5-1.7	174.0	40044.6	1.3	8.7	0.6	5.4	3.1	0.3	3.1	1.0	1899.3	50.6	1887.8	26.8	1875.2	10.2

Table S2. Zircon and perovskite U/Pb isotopic data and calculated dates. (separate Excel file)