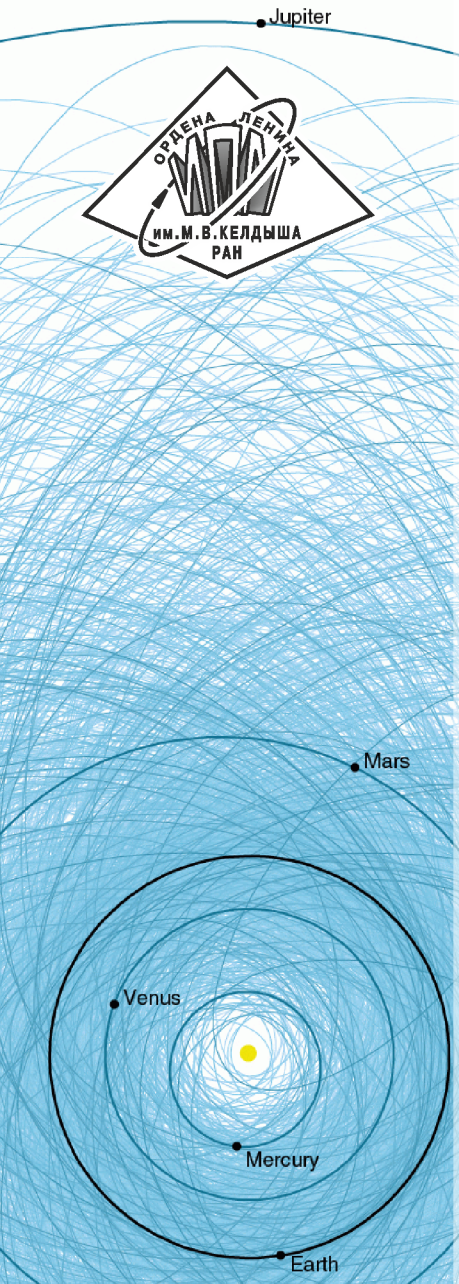
ОРДЕНА ЛЕНИНА
ИНСТИТУТ ПРИКЛАДНОЙ МАТЕМАТИКИ
ИМЕНИ М.В. КЕЛДЫША
РОССИЙСКОЙ АКАДЕМИИ НАУК

Бюллетень № 14-10 (7)

10-я лунация 2014 г.
07.09.14 – 05.10.14



АСТЕРОИДНО-КОМЕТНАЯ ОПАСНОСТЬ

Москва – 2014

Астероидно-кометная опасность

Asteroid-Comet Hazard

Издается с 2014 года

В бюллетене публикуются и анализируются данные по лунациям об астероидно-кометной опасности в околоземном космическом пространстве.

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I. ВВЕДЕНИЕ

В ходе прошедшей лунации, лидером, как по количеству измерений, так и по количеству обнаруживаемых объектов, остается обзорный телескоп Pan-STARRS 1 (апертура 1.8 метра). Данная обзорная программа получила более 70% от общего числа измерений со всех обсерваторий мира, открыв свыше 32% от всех новых объектов. В этом месяце получен код обсерватории (дающий право на отправление позиционных измерений в Центр малых планет) для второго телескопа проекта Pan-STARRS. Предполагается, что часть наблюдательного времени нового телескопа будет использована для поиска АСЗ. Напомним, что в настоящий момент, все наблюдательное время телескопа Pan-STARRS 1 используется в работах по проблематике астероидно-кометной опасности (АКО).

За отчетный период зафиксированы два тесных сближения с Землей, одно из которых является сверхблизким. 7 сентября 2014 года, астероид 2014 RC пролетел в непосредственной близости от орбиты геостационарных спутников Земли. Подробный анализ сближения показывает, что астероид 2014 RC не вышел на орбиту с высокой вероятностью возможного резонансного возврата, т.е. не представляет угрозы для Земли в ближайшие десятилетия. Следующее относительное тесное сближение до $\Delta = 0.04$ а.е., произойдет 11 сентября 2017 года. В соответствующем разделе бюллетеня приведены графики оскулирующих элементов астероида, на момент его сближения с Землей. Все расчеты выполнены в ИПМ им. М.В. Келдыша РАН.

Телескопы сети НСОИ АФН продолжают свои наблюдения в рамках проблематики АКО. Детальная информация представлена в соответствующих разделах. Напоминаем, что вся статистическая информация основана на публичных данных Центра малых планет (Гарвард, США) и доступна по адресу *http://minorplanetcenter.net/iau/ECS/MPCArchive/MPCArchive_TBL.html*

II. ОБЩАЯ СТАТИСТИКА ИЗМЕРЕНИЙ МАЛЫХ ТЕЛ СОЛНЕЧНОЙ СИСТЕМЫ

№	Код MPC	Измерений	Объектов	Открыто	Обсерватория
1.	F51	569234	88537	7657	Pan-STARRS 1, Haleakala
2.	G45	317550	42034	168	Space Surveillance Telescope
3.	703	245606	41956	269	Catalina Sky Survey
4.	G96	205352	38597	1416	Mt. Lemmon Survey
5.	691	95915	17687	730	Spacewatch
6.	I41	45753	5571	95	Palomar Mountain--PTF
7.	C51	17590	839	8	WISE
8.	J04	14230	3996	24	ESA Optical Ground Station
9.	J43	9297	1893	12	Oukaimeden Observatory
10.	Y00	9261	2604	3	SONEAR Observatory
11.	**H15**	**8185**	**2212**	**12**	**ISON-NM Observatory**
12.	**D00**	**3284**	**804**	**0**	**ISON-Kislovodsk Observatory**
13.	950	2212	349	15	La Palma
14.	H21	2078	420	5	Astronomical Research Observatory, Westfield
15.	461	1960	284	12	University of Szeged (Konkoly)
16.	291	1918	486	0	LPL/Spacewatch II
17.	D54	1736	469	0	MASTER-II Observatory, Blagoveshchensk
18.	G32	1487	217	27	Elena Remote Observatory
19.	568	1082	267	2	Mauna Kea
20.	C41	999	269	1	MASTER-II Observatory, Kislovodsk
21.	644	855	208	0	Palomar Mountain/NEAT
22.	C94	595	184	0	MASTER-II Observatory, Tunka
23.	673	579	107	0	Table Mountain Observatory
24.	621	554	143	16	Bergisch Gladbach
25.	160	540	91	0	Castelmartini
26.	Q62	534	134	2	iTelescope Observatory, Siding Spring
27.	W86	482	82	11	Cerro Tololo-LCOGT B
28.	C47	478	126	0	Nonndorf
29.	645	472	213	0	Apache Point-Sloan Digital Sky Survey
30.	E12	457	90	0	Siding Spring Survey
173.	**A50**	**8**	**2**	**0**	**Andrushivka Astronomical Observatory**

III. ОБЩАЯ СТАТИСТИКА ПО КОЛИЧЕСТВУ ОТКРЫТЫХ ОБЪЕКТОВ

№	Код MPC	Измерений	Объектов	Открыто	Обсерватория
1.	F51	569234	88537	7657	Pan-STARRS 1
2.	G96	205352	38597	1416	Mt. Lemmon Survey
3.	691	95915	17687	730	Spacewatch
4.	703	245606	41956	269	Catalina Sky Survey
5.	G45	317550	42034	168	Space Surveillance Telescope
6.	I41	45753	5571	95	Palomar Mountain--PTF
7.	G32	1487	217	27	Elena Remote Observatory
8.	J04	14230	3996	24	ESA Optical Ground Station
9.	621	554	143	16	Bergisch Gladbach
	C85	321	19	16	Observatorio Cala d'Hort
10.	950	2212	349	15	La Palma
11.	303	67	21	13	OAN de Llano del Hato
12.	461	1960	284	12	University of Szeged (Konkoly)
	H15	**8185**	**2212**	**12**	**ISON-NM Observatory**
	J43	9297	1893	12	Oukaimeden Observatory
	J75	205	65	12	OAM Observatory
13.	W86	482	82	11	Cerro Tololo-LCOGT B
14.	B74	186	34	8	Santa Maria de Montmagastrell
	W85	390	80	8	Cerro Tololo-LCOGT A
	C51	17590	839	8	WISE
15.	H21	2078	420	5	Astronomical Research Observatory
16.	D03	189	42	4	Rantiga Osservatorio
	W87	351	78	4	Cerro Tololo-LCOGT C
17.	Y00	9261	2604	3	SONEAR Observatory
18.	G37	26	8	2	Discovery Channel Telescope
	568	1082	267	2	Mauna Kea
	P34	36	2	2	Lvye Observatory
	Q62	534	134	2	iTelescope Observatory, Siding Spring
	954	39	10	2	Teide Observatory
	I27	104	25	2	Barred Owl Observatory

19.	A13	248	83	1	Observatoire Naef
	W84	134	42	1	Cerro Tololo-DECam
	G98	124	19	1	Calvin-Rehoboth Observatory
	106	56	14	1	Crni Vrh
	333	131	44	1	Desert Eagle Observatory
	675	27	6	1	Palomar Mountain
	I93	155	49	1	St Pardon de Conques
	E16	2	1	1	Grove Creek Observatory
	H36	217	65	1	Sandlot Observatory
	C41	999	269	1	MASTER-II Observatory, Kislovodsk

IV. СТАТИСТИКА ПО ОТКРЫТЫМ АСЗ

	Количество	**Потенциально опасные**	**Атира**	**Атоны**	**Аполлонцы**	**Амуры**
Лунация	119	6	0	6	55	58
Всего	**11 601**	**1 527**	**21**	**865**	**5 751**	**4 964**

V. ТЕСНЫЕ СБЛИЖЕНИЯ АСЗ С ЗЕМЛЕЙ

Обозначение	**Дата**	**Δ, *км***	**MOID, а. е.**	**V_3, *км/с***	**m_0**	**H**	**D, *м***	**E**	**Δt, *сутки***	**Сем-во**
2014 RC	2014-09-07.75193	38 900	0.00003	10.454	22.1R	26.8	10-25	173.8	6.49532	Аполлон
2014 SG1	2014-09-20.61298	79 300	0.00096	13.972	17.7V	29.1	3-8	146.0	0.45812	Аполлон

Δ - расстояние до Земли; MOID - минимальная дистанция пересечения орбит; V_3 - скорость относительно Земли; m_0 - блеск в момент обнаружения; H - абсолютная величина; D - диаметр (ρ=0.05-0.3); E - элонгация; Δt - время упреждения (дата обнаружения относительно даты минимального сближения с Землей)

2014 RC

```
Эпоха 2014 декабрь 9.0 TT = JDT 2457000.5

M  25.64398            (2000.0)            P                Q

n   0.65562204     Peri.   71.19141     +0.55554565     -0.83123003          T = 2456961.38603 JDT

a   1.3123017      Node   345.00652     +0.72969463     +0.49928124          q = 0.8206570

e   0.3746431      Incl.    4.57413     +0.39864117     +0.24448902       MOID = 0.00003 a.e.

П   1.50           H   26.8          G   0.15          U   3
```

2014 SG1

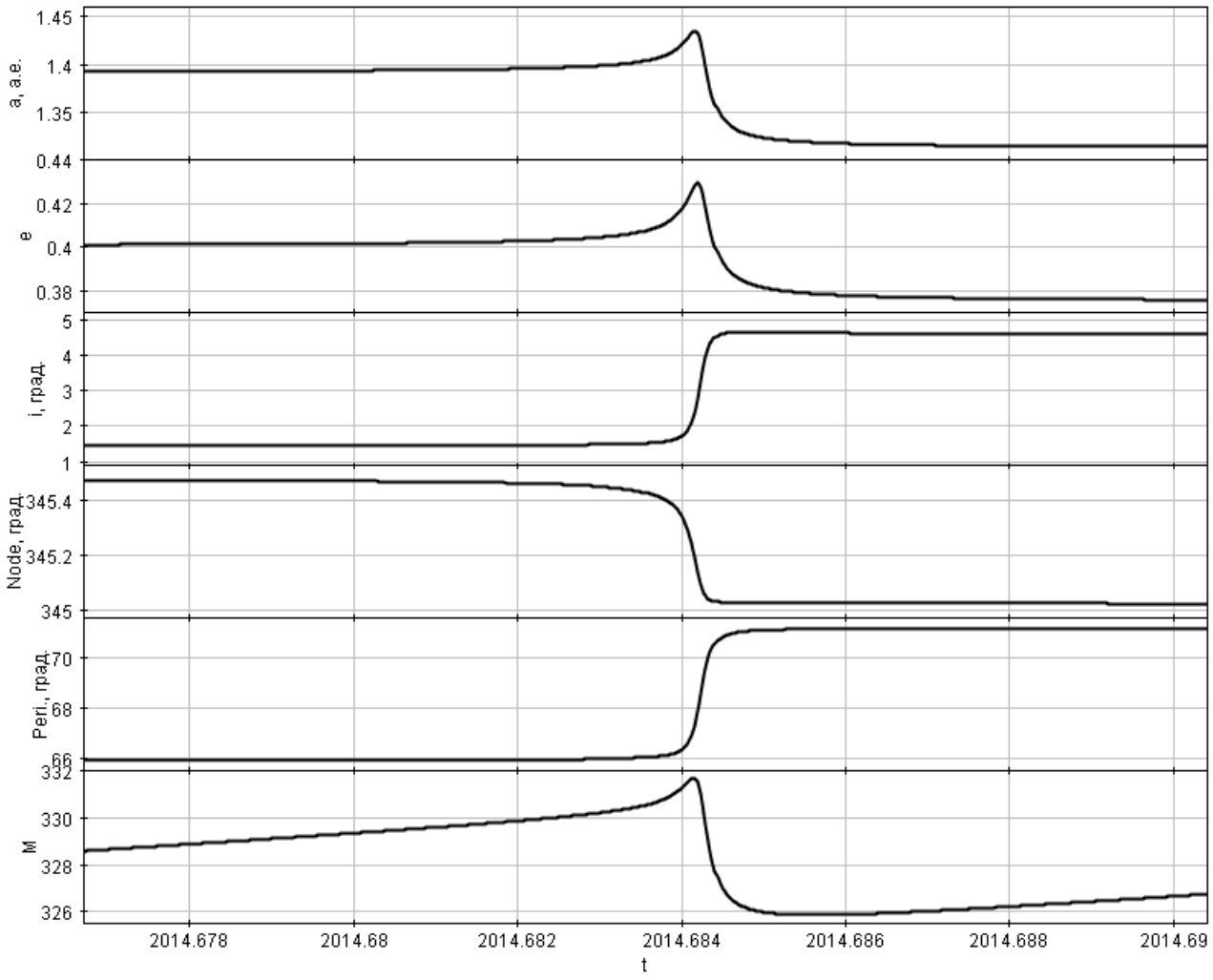
Эпоха 2014 декабрь 9.0 TT = JDT 2457000.5

M	**16.86752**	**(2000.0)**	**P**	**Q**	
n	**0.63048802**	**Peri.** **253.37687**	**+0.32918754**	**-0.94417970**	**T = 2456973.74688 JDT**
a	**1.3469500**	**Node** **177.30277**	**+0.93597557**	**+0.32449605**	**q = 0.7969871**
e	**0.4083024**	**Incl.** **15.60555**	**+0.12484111**	**+0.05680673**	**MOID = 0.00096 a.e.**

П 1.56 H 29.1 G 0.15 U 7

M - средняя аномалия; n - среднее суточное движение (град./сутки); a - большая полуось; e - эксцентриситет; П - период (годы); Peri. - аргумент перигелия; Node - долгота восходящего узла; Incl. - наклонение; H - абсолютная звездная величина; P, Q - вектора экваториальных компонент; G - фазовая зависимость блеска; T - дата перигелия; q - расстояние перигелия; MOID - минимальная дистанция между орбитами астероида и Земли; U - параметр точности определения орбиты

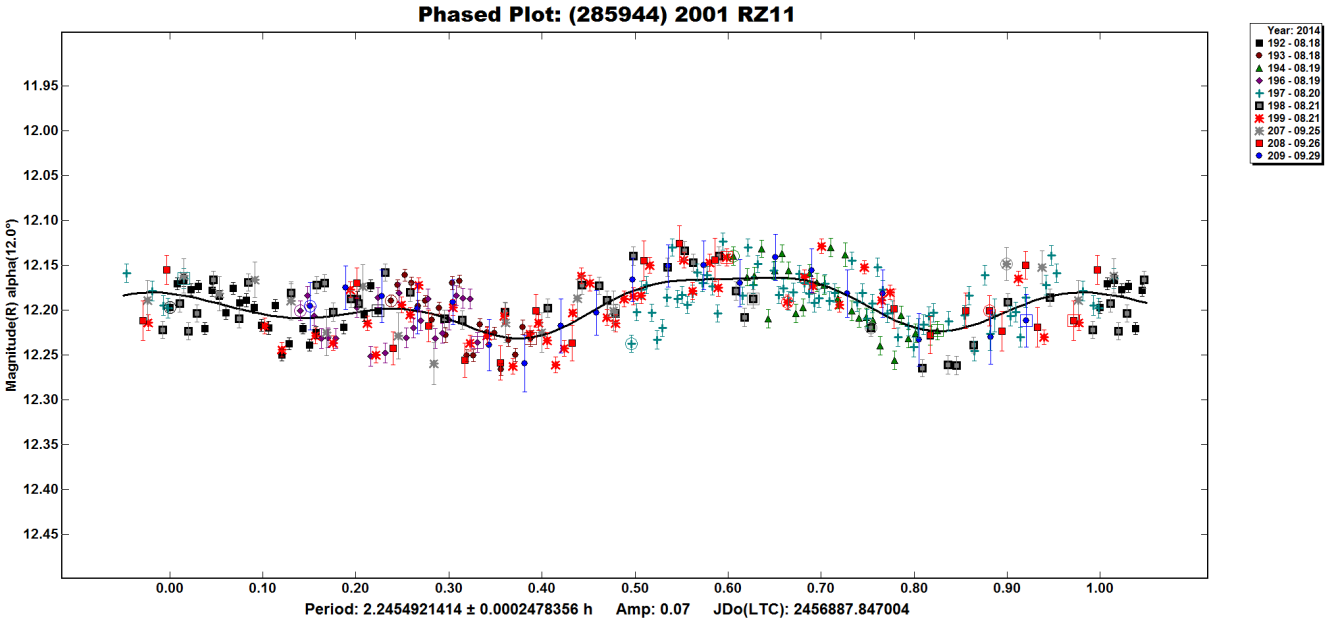
Оскулирующие элементы орбиты астероида 2014 RC



VI. ФОТОМЕТРИЯ АСЗ

Обозначение	Дата начала наблюдений	Дата окончания наблюдений	Телескоп	Фильтр	Θ_0, град	Θ_1, град	Δ_0, а.е.	Δ_1, а.е.	P, *ч*	A
2001 RZ11*	2014-09-25.69654	2014-09-29.72923	Цейсс-1000	Lum	52.3	51.1	0.658	0.717	2.246	0.07

Θ - фазовый угол в t_0 и t_1; Δ - расстояние до Земли в t_0 и t_1; P - период обращения вокруг своей оси; A - амплитуда;
** - подтверждение периода вращения, опубликованного Л. Елениным в бюллетене №14-9 (6). Наблюдения проведены В. Невским на ТШАО. По результатам работы подана статья в Minor Planet Bulletin.*



VII. ДАННЫЕ РАДИОЛОКАЦИИ АСЗ

Обозначение	*	Дата начала наблюдений	Дата окончания наблюдений	Обсерватория	D, м	Δ_0, а.е.	Δ_1, а.е.	P, *кВт*
2002 CU11	PHA	2014-08-27	2014-08-31	Голдстоун	460	0.052↓	0.041↑	440
		2014-08-28	2014-08-29	Аресибо		0.043↓	0.036↓	400
2006 KM103	PHA	2014-08-30	2014-09-02	Голдстоун	300	0.053↓	0.050↑	440
2002 CE26	B	2014-09-05	2014-09-07	Голдстоун	3 500	0.137↓	0.127↓	450
		2014-08-31	2014-09-05	Аресибо		0.187↓	0.138↓	400
2014 RC		2014-09-06	2014-09-07	Голдстоун	15	0.008↓	0.003↓	440
2009 FG19		2014-09-25	2014-09-27	Голдстоун	1 700	0.092↓	0.090↑	450
2014 ST223	ND	2014-09-26	2014-09-26	Голдстоун	10	0.019↑	0.020↑	450

** - PHA - потенциально опасный объект; B - двойная система; ND - не обнаружен; D - диаметр; Δ - расстояние до Земли в t_0 и t_1; P - мощность излучателя*

VIII. АСТРОМЕТРИЯ АСЗ

ISON-Kislovodsk (D00)

```
     K14S01S  C2014 10 03.95535 02 46 05.14 +20 29 32.9          18.7 Vq~1A1SD00
     K14S01S  C2014 10 03.96624 02 46 05.36 +20 29 40.0          18.8 Vq~1A1SD00
     K14S01S  C2014 10 03.97707 02 46 05.58 +20 29 47.9          19.0 Vq~1A1SD00
     K14S01S  C2014 10 03.98791 02 46 05.85 +20 29 54.3          19.0 Vq~1A1SD00
```

ISON-NM (H15)

```
     K05GC8P  C2014 09 30.26153 23 43 06.86 -05 39 55.7          18.9 Rq~19xKH15
     K05GC8P  C2014 09 30.27172 23 43 06.70 -05 40 00.8          18.9 Rq~19xKH15
     K05GC8P  C2014 09 30.28193 23 43 06.40 -05 40 05.8          18.0 Rq~19xKH15
     K05GC8P  C2014 09 30.29266 23 43 06.22 -05 40 11.2          18.5 Rq~19xKH15
d9307         C2014 10 02.18063 00 11 17.25 -07 37 09.8          16.7 Rq~1AX3H15
d9307         C2014 10 02.19105 00 11 17.44 -07 37 20.3          17.1 Rq~1AX3H15
d9307         C2014 10 02.20122 00 11 17.70 -07 37 30.1          17.0 Rq~1AX3H15
d9307         C2014 10 02.21188 00 11 17.94 -07 37 40.8          17.0 Rq~1AX3H15
```

IX. ОБОБЩЕННЫЕ РЕЗУЛЬТАТЫ

В ходе прошедшей лунации (07.09.14 - 05.10.14), обсерваториями НСОИ АФН, участвующими в наблюдениях малых тел Солнечной системы получено 11 477 позиционных измерения. По общему количеству измерений, среди всех наблюдателей, обсерватории ISON-NM и ISON-Kislovodsk заняли 11 и 12 места соответственно. По количеству новых объектов, обсерватория ISON-NM заняла 12 место в мире. В целом, всеми обсерваториями были открыты 119 АСЗ, в том числе 6 потенциально опасных. Общее количество известных АСЗ на данный момент - 11 601 из них потенциально опасных - 1 527 (13.2%).

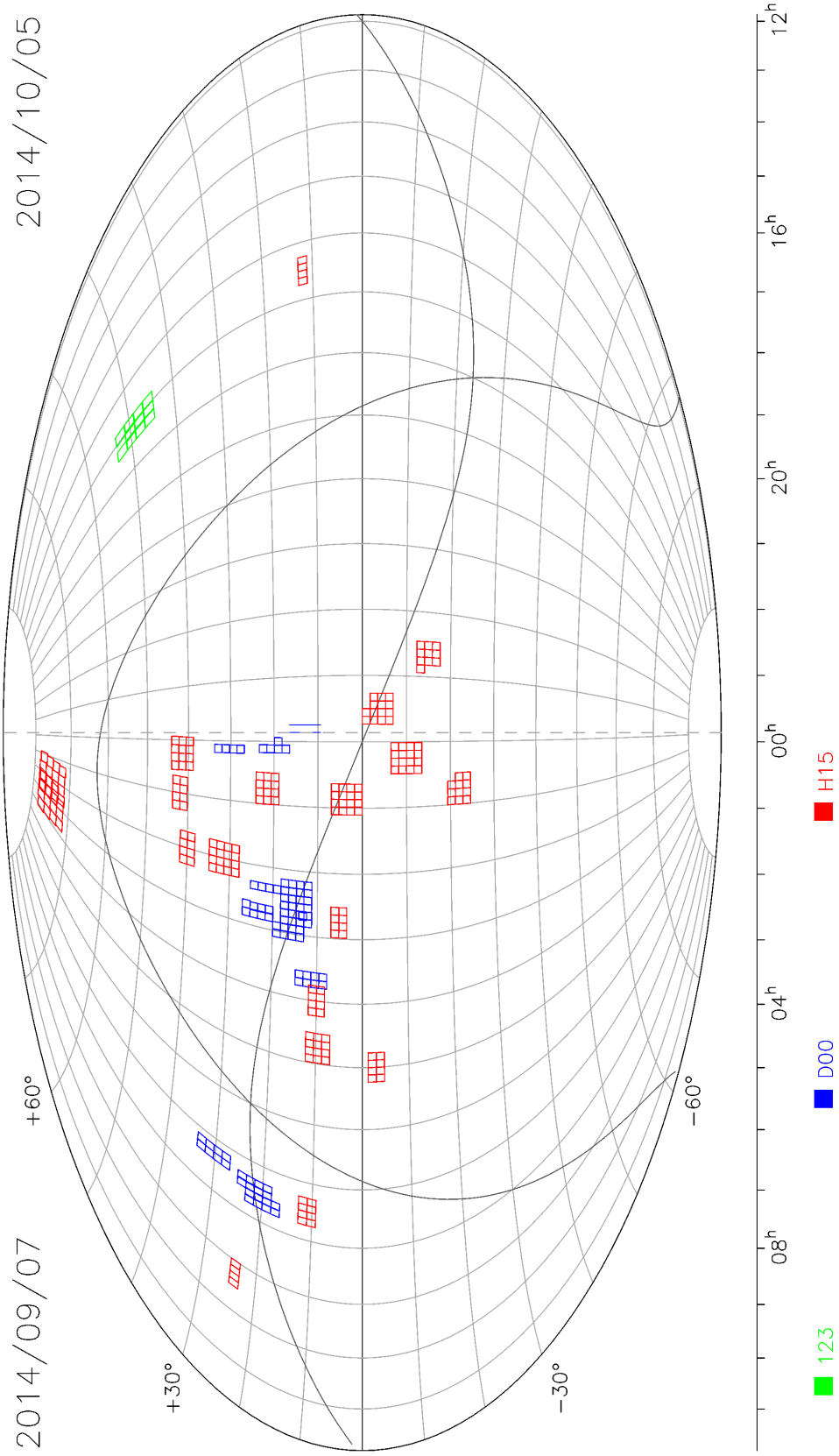
В течении лунации было зафиксированы два тесных сближения АСЗ с Землей. Астероид 2014 RC был официально открыт обзором Каталины (Catalina Sky Survey), 1 сентября 2014 года, т.е. примерно за неделю до его максимального сближения с Землей. После уточнения орбиты другими обсерваториями, в архиве были обнаружены его измерения, полученные телескопом Pan-STARRS еще 20 августа, что радикально увеличило точность определения его орбиты. Стоит отметить, что на момент его первоначального обнаружения, объект имел блеск 22.1m и находился на расстоянии 0.11 а.е. На момент обнаружения Каталиной, блеск уже составлял 20 звездную величину, а расстояние до Земли сократилось до 0.038 а.е. Текущий алгоритм digist2, используемый Центром малых планет (MPC), измерениям, полученным телескопом Pan-STARRS, дал всего 37% вероятность того, что обнаруженный объект может являться АСЗ. По правилам, на страницу подтверждения NEOCP, может быть размещен новый объект с вероятностью не менее 50%. Вероятность открытия АСЗ, по измерениям Каталины, составила уже 96% и объект был размещен на страницу подтверждения. После чего,

за несколько суток было получено свыше 240 позиционных измерений. Это характерный пример ситуации, когда мы «видим» объект, но не принимаем его во внимание и тем самым, теряем более половины времени реагирования. Представленный случай наглядно показывает необходимость создание новых, робастных алгоритмов классификации орбит по сверхмалым наблюдательным дугам. В итоге, 7 сентября 2014 года, в 18:00 UT, астероид 2014 RC сблизился с Землей до 38 900 км, пройдя немногим выше орбиты геостационарных спутников Земли. Расчетный размер астероида лежит в пределах 10-25 метров, что сопоставимо с Челябинским метеороидом. Второй астероид 2014 SG1, так же открытый обзором Каталины, через 12 часов после обнаружения сблизился с Землей до 79 300 км. Размер этого астероида составляет от 3 до 8 метров.

С 25 по 29 сентября, на Тянь-Шанской астрономической обсерватории, В. Невским, проводились фотометрические измерения АСЗ (285944) 2001 RZ11. Их целью было подтверждение определенного ранее периода вращения данного астероида, опубликованного в Бюллетене №14-9 (6). Полученные данные подтвердили правильность полученных ранее результатов P = 2.2455h ± 0.0002, A = 0.07. Статья по анализу фотометрических кривых блеска, данного АСЗ принята для публикации в Minor Planet Bulletin.

Радио обсерваториями Голдстоун и Аресибо проведена успешная локация 5 АСЗ, один объект не был обнаружен. Наблюдения проводились на дистанциях от 0.003 до 0.187 а.е. В том числе, была проведена локация сверхблизкого АСЗ 2014 RC. Анализ полученных данных говорит об его вращении с периодом P ~ 15.8 секунды. Наблюдения проводились до момента максимального сближения с Землей и вполне вероятно, что в дальнейшем, период обращения астероида был изменен гравитационным влиянием Земли. В ходе наблюдений, мощности передатчиков составляли 440-450 кВт для обсерватории Голдстоун и 400 кВт для Аресибо.

ПРИЛОЖЕНИЕ 1. ПОКРЫТИЕ НЕБЕСНОЙ СФЕРЫ ТЕЛЕСКОПАМИ НСОИ АФН/ISON



ПРИЛОЖЕНИЕ 2. ОБСЕРВАТОРИИ, УЧАСТВУЮЩИЕ В РАБОТЕ

Код MPC	Обсерватория	Телескоп	Камера	Поле зрения, угл. мин	Масштаб, “/пикс	Фильтры	Координаты	Высота, м
123	Byurakan	ORI-40 0.4-м f/2.3	FLI ML09000	137x137	2.67	BVRI	40° 20’ 51” N 44° 16’ 28 E	1 572
A50	Andrushivka Astronomical Observatory	ORI-500 0.5-м f/2.3	FLI PL4301	148x148	4.27	-	50° 00’ 03” N 28° 59’ 53 E	227
C15	ISON-Ussuriysk Observatory	Сантел-650A 0.65-м f/2	FLI PL4301	132x132	3.81	-	43° 41’ 55” N 132° 09’ 56” E	279
D00	ISON-Kislovodsk Observatory	Сантел-400AH 0.4-м f/3	FLI ML09000	106x106	2.06	BVRI	43° 44’ 25” N 42° 39’ 13” E	2 107
H15	ISON-NM Observatory	Сантел-400AH 0.4-м f/3	FLI PL16803	106x106	1.55	BVRIC	32° 54’ 12” N 105° 31’ 42” W	2 217

ПРИЛОЖЕНИЕ 3. ПОЗИЦИОННЫЕ ИЗМЕРЕНИЯ СЕТИ НСОИ АФН/ISON

Byurakan (123)

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    CK12K080  C2014 09 12.73237 16 49 13.30 +46 54 41.0          18.6 Tq89854123
    CK12K080  C2014 09 12.74332 16 49 13.22 +46 54 37.2          18.6 Tq89854123
    CK12K080  C2014 09 12.75427 16 49 13.00 +46 54 32.5          18.6 Tq89854123
    CK12K080  C2014 09 12.76520 16 49 12.98 +46 54 28.3          18.8 Tq89854123
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ISON-Kislovodsk (D00)

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46564         C2014 09 22.03108 02 25 02.71 +17 50 21.4          17.9 Vq~19ORD00
09052         C2014 09 22.03108 02 25 42.98 +17 50 30.5          18.3 Vq~19GzD00
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     K14Qd0J  C2014 09 22.03108 02 28 03.25 +17 28 24.8          19.4 Vq~19ACD00
01881         C2014 09 22.03108 02 26 10.90 +16 59 53.7          17.2 Vq~19FRD00
V3203         C2014 09 22.03108 02 24 43.15 +17 11 28.0          19.6 Vq~19rXD00
08230         C2014 09 22.03108 02 27 15.99 +18 04 10.5          19.7 Vq~19GqD00
40238         C2014 09 22.03108 02 23 50.13 +16 48 49.5          19.0 Vq~19NFD00
08542         C2014 09 22.03108 02 30 02.64 +17 19 19.7          17.8 Vq~19GtD00
34875         C2014 09 22.03242 02 29 40.85 +16 01 44.7          18.1 Vq~19MBD00
54748         C2014 09 22.03242 02 24 52.47 +14 46 38.1          19.9 Vq~19PgD00
B0454         C2014 09 22.03242 02 25 48.08 +16 27 38.4          19.1 Vq~19YhD00
06385         C2014 09 22.03242 02 24 48.80 +15 04 52.7          19.5 Vq~19GTD00
16466         C2014 09 22.03242 02 30 29.89 +16 07 04.1          18.1 Vq~19IWD00
38194         C2014 09 22.03242 02 24 56.39 +15 11 45.3          20.1 Vq~19MoD00
99767         C2014 09 22.03242 02 24 33.46 +15 00 33.9          19.6 Vq~19X9D00
08426         C2014 09 22.03242 02 24 27.36 +15 18 50.1          18.8 Vq~19GsD00
26854         C2014 09 22.03242 02 28 00.53 +15 08 56.5          17.2 Vq~19KaD00
10949         C2014 09 22.03242 02 28 45.84 +16 24 05.8          18.6 Vq~19HOD00
35426         C2014 09 22.03242 02 29 54.31 +16 27 53.3          19.1 Vq~19MID00
D1623         C2014 09 22.03242 02 24 16.37 +16 05 17.7          19.6 Vq~19bbD00
C3142         C2014 09 22.03242 02 29 25.92 +15 49 18.0          19.7 Vq~19aSD00
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01782         C2014 09 22.03919 02 36 41.50 +13 37 29.2          18.0 Vq~19FQD00
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04189         C2014 09 22.05002 02 36 45.25 +13 56 37.1          17.2 Vq~19FyD00
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33556         C2014 09 22.05002 02 33 52.44 +13 23 44.5          18.5 Vq~19LuD00
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20580         C2014 09 22.05138 02 36 27.90 +11 45 29.6          19.0 Vq~19JODD00
09538         C2014 09 22.05138 02 35 50.38 +12 32 25.7          17.5 Vq~19H4D00
32052         C2014 09 22.05138 02 36 46.35 +11 25 01.2          19.0 Vq~19LbD00
54584         C2014 09 22.05138 02 33 24.62 +11 40 31.2          18.0 Vq~19PfD00
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08542         C2014 09 22.05275 02 30 02.32 +17 19 18.3          18.0 Vq~19GtD00
     K14Qd0J  C2014 09 22.05275 02 28 03.14 +17 28 42.7          18.9 Vq~19ACD00
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46564         C2014 09 22.05275 02 25 02.03 +17 50 25.0          18.0 Vq~19ORD00
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G2009         C2014 09 22.05545 02 29 48.15 +13 43 06.0          18.6 Vq~19fFD00
09672         C2014 09 22.05545 02 26 23.31 +13 44 23.5          18.6 Vq~19H6D00
B1777         C2014 09 22.05545 02 30 17.15 +14 32 36.7          19.5 Vq~19YyD00
D3074         C2014 09 22.05545 02 25 07.20 +14 28 08.9          19.3 Vq~19bpD00
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L3689	C2014 09 22.89955 02 19 54.82 +15 38 05.6	19.2 Vq~19kKD00
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54051	C2014 09 22.98907 02 57 28.21 +16 42 48.7	18.8 Vq~19PaD00	78916	C2014 09 22.99858 02 55 25.43 +19 02 51.0	20.1 Vq~19U0D00
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22968	C2014 09 22.99042 02 58 18.88 +16 08 22.8	19.1 Vq~19JsD00	00713	C2014 09 22.99858 02 57 26.98 +18 12 42.6	14.2 Vq~19FBD00
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27489      C2014 09 24.77995 23 48 17.19 +11 04 06.9   18.3 Vq~19KhD00
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22030    C2014 10 04.02719 03 45 19.04 +12 45 09.2   19.0 Vq~1A7ND00
12901    C2014 10 04.02854 03 41 27.82 +10 54 58.6   18.4 Vq~1A61D00
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07352    C2014 10 04.02854 03 45 03.75 +10 10 08.7   17.4 Vq~1A5CD00
12766    C2014 10 04.02854 03 44 20.40 +10 40 28.6   17.7 Vq~1A60D00
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D5797    C2014 09 27.09691 22 30 55.11 -12 38 04.1   17.9 Rq~1AJkH15
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96106          C2014 09 27.10671 22 30 29.73 -12 37 15.9          17.3 Rq~lAFrH15
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V0476	C2014 09 30.34152 23 31 41.99 -00 58 44.4	18.9	Rq~lAU8H15	41325	C2014 09 30.38311 23 19 20.10 -06 04 58.1	16.8	Rq~lA9tH15
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67991	C2014 09 30.34152 23 32 55.11 -01 08 01.2	19.0	Rq~lACuH15	23952	C2014 09 30.38772 02 48 32.35 +04 23 26.1	16.7	Rq~lA7cH15
73263	C2014 09 30.34152 23 32 27.85 -01 06 10.2	20.1	Rq~lADmH15	13839	C2014 09 30.38993 02 47 33.01 +06 18 08.7	15.6	Rq~lA6AH15
97441	C2014 09 30.34152 23 34 41.59 -01 11 10.1	18.9	Rq~lAG1H15	32555	C2014 09 30.38993 02 45 50.63 +06 15 54.0	14.9	Rq~lA8jH15
10473	C2014 09 30.34152 23 36 10.22 -00 34 56.6	16.2	Rq~lA5fH15	15549	C2014 09 30.39215 02 54 49.12 +03 48 07.9	15.6	Rq~lA6QH15
02051	C2014 09 30.34152 23 36 52.25 -01 07 09.1	14.1	Rq~lA4JH15	09939	C2014 09 30.39215 02 56 23.72 +05 05 15.0	15.3	Rq~lA5aH15
30241	C2014 09 30.34152 23 31 20.10 -00 53 48.7	17.4	Rq~lA8SH15	04297	C2014 09 30.39554 02 40 49.47 +05 11 12.3	15.3	Rq~lA4iH15
M1485	C2014 09 30.34152 23 32 07.49 -00 12 55.7	18.7	Rq~lAPtH15	23952	C2014 09 30.39799 02 48 32.04 +04 23 24.8	16.7	Rq~lA7cH15
P4770	C2014 09 30.34152 23 35 15.54 -00 16 16.4	18.1	Rq~lARjH15	13839	C2014 09 30.40027 02 47 32.70 +06 18 06.0	15.8	Rq~lA6AH15
35308	C2014 09 30.34152 23 33 17.23 -00 14 15.5	18.4	Rq~lA95H15	32555	C2014 09 30.40027 02 45 50.49 +06 15 45.5	14.8	Rq~lA8jH15
94573	C2014 09 30.34152 23 31 39.09 -00 36 54.7	18.6	Rq~lAFjH15	09939	C2014 09 30.40347 02 56 23.53 +05 05 11.9	15.5	Rq~lA5aH15
17556	C2014 09 30.34603 23 23 24.35 -02 50 56.3	17.0	Rq~lA6jH15	15549	C2014 09 30.40347 02 54 48.74 +03 48 03.4	15.7	Rq~lA6QH15
81716	C2014 09 30.34603 23 24 06.55 -02 39 01.6	18.0	Rq~lAEcH15	04297	C2014 09 30.40584 02 40 49.10 +05 11 08.8	15.9	Rq~lA4iH15
E2262	C2014 09 30.34603 23 26 03.92 -02 43 18.5	17.5	Rq~lAKAH15	23952	C2014 09 30.40814 02 48 31.69 +04 23 23.4	17.8	Rq~lA7cH15
04172	C2014 09 30.34603 23 23 08.37 -02 19 57.5	17.6	Rq~lA4gH15	13839	C2014 09 30.41047 02 47 32.39 +06 18 03.5	16.5	Rq~lA6AH15
08022	C2014 09 30.34603 23 24 32.28 -02 33 25.7	16.2	Rq~lA5JH15	32555	C2014 09 30.41047 02 45 50.38 +06 15 37.3	15.2	Rq~lA8jH15
09676	C2014 09 30.34603 23 25 53.88 -03 04 39.3	16.6	Rq~lA5XH15	09939	C2014 09 30.41367 02 56 23.37 +05 05 08.8	15.6	Rq~lA5aH15
67918	C2014 09 30.34603 23 29 47.26 -03 05 11.9	17.8	Rq~lACtH15	15549	C2014 09 30.41367 02 54 48.33 +03 47 59.5	15.9	Rq~lA6QH15
27690	C2014 09 30.34603 23 25 43.81 -02 35 05.7	17.5	Rq~lA87H15	04297	C2014 09 30.41606 02 40 48.71 +05 11 05.6	16.0	Rq~lA4iH15
15344	C2014 09 30.34603 23 25 47.94 -03 14 25.7	15.8	Rq~lA6OH15	23952	C2014 09 30.41841 02 48 31.31 +04 23 22.4	16.9	Rq~lA7cH15
30859	C2014 09 30.34603 23 23 05.57 -02 04 51.3	16.6	Rq~lA8XH15	32555	C2014 09 30.42073 02 45 50.21 +06 15 28.3	15.6	Rq~lA8jH15
e5216	C2014 09 30.34603 23 27 22.05 -02 57 17.6	17.1	Rq~lAXQH15	13839	C2014 09 30.42073 02 47 32.10 +06 18 01.1	16.6	Rq~lA6AH15
74195	C2014 09 30.34603 23 25 18.54 -02 59 48.6	17.9	Rq~lADuH15	15549	C2014 09 30.42383 02 54 48.02 +03 47 55.2	16.1	Rq~lA6QH15
54225	C2014 09 30.35068 23 19 10.28 -06 54 21.7	18.6	Rq~lABPH15	09939	C2014 09 30.42383 02 56 23.19 +05 05 06.1	15.8	Rq~lA5aH15
37048	C2014 09 30.35068 23 19 57.49 -05 29 21.4	18.3	Rq~lA9KH15	38857	C2014 09 30.42691 02 53 41.35 +06 17 13.9	17.5	Rq~lA9YH15
23367	C2014 09 30.35068 23 21 13.24 -05 44 10.2	18.4	Rq~lA7XH15	11065	C2014 09 30.42691 02 56 06.42 +06 42 03.5	15.1	Rq~lA5kH15
10874	C2014 09 30.35068 23 16 42.21 -05 33 27.0	16.7	Rq~lA5iH15	06501	C2014 09 30.42919 02 41 23.02 +05 30 30.6	16.9	Rq~lA54H15
42341	C2014 09 30.35068 23 19 43.73 -06 08 18.2	16.3	Rq~lAA2H15	04297	C2014 09 30.42919 02 40 48.13 +05 11 00.3	16.1	Rq~lA4iH15
98402	C2014 09 30.35068 23 18 41.45 -05 26 00.9	18.1	Rq~lAGBH15	17989	C2014 09 30.42919 02 42 01.87 +05 13 42.9	17.0	Rq~lA6oH15
13962	C2014 09 30.35068 23 18 47.30 -05 40 50.2	16.2	Rq~lA6BH15	00423	C2014 09 30.43146 02 37 19.92 +04 27 22.4	10.9	Rq~lA3zH15
41325	C2014 09 30.35068 23 19 21.25 -06 04 43.1	16.8	Rq~lA9tH15	05297	C2014 09 30.43374 02 37 43.78 +05 40 46.6	16.0	Rq~lA4tH15
86728	C2014 09 30.35068 23 21 06.22 -06 16 31.4	17.6	Rq~lAF2H15	38857	C2014 09 30.43725 02 53 41.12 +06 17 15.6	17.2	Rq~lA9YH15
T7299	C2014 09 30.35068 23 17 48.17 -05 46 08.7	18.2	Rq~lATnH15	11065	C2014 09 30.43725 02 56 06.12 +06 42 03.0	14.8	Rq~lA5kH15
60584	C2014 09 30.35068 23 19 21.24 -06 17 34.7	16.4	Rq~lAC3H15	06501	C2014 09 30.43951 02 41 22.80 +05 30 25.8	16.4	Rq~lA54H15
74195	C2014 09 30.35721 23 25 18.11 -02 59 49.5	17.9	Rq~lADuH15	17989	C2014 09 30.43951 02 42 01.44 +05 13 40.7	16.6	Rq~lA6oH15
30859	C2014 09 30.35721 23 23 04.91 -02 04 52.6	17.0	Rq~lA8XH15	04297	C2014 09 30.43951 02 40 47.82 +05 10 57.0	15.7	Rq~lA4iH15
15344	C2014 09 30.35721 23 25 47.38 -03 14 26.3	15.6	Rq~lA6OH15	00423	C2014 09 30.44178 02 37 19.57 +04 27 20.8	11.0	Rq~lA3zH15
E2262	C2014 09 30.35721 23 26 03.52 -02 43 19.8	17.3	Rq~lAKAH15	05297	C2014 09 30.44407 02 37 43.52 +05 40 42.5	16.0	Rq~lA4tH15
08022	C2014 09 30.35721 23 24 31.69 -02 33 28.5	15.7	Rq~lA5JH15	11065	C2014 09 30.44745 02 56 05.85 +06 42 02.6	14.5	Rq~lA5kH15
09676	C2014 09 30.35721 23 25 53.42 -03 04 41.9	16.3	Rq~lA5XH15	38857	C2014 09 30.44745 02 53 40.89 +06 17 15.6	17.2	Rq~lA9YH15
17556	C2014 09 30.35721 23 23 23.70 -02 50 59.8	17.0	Rq~lA6jH15	04297	C2014 09 30.45059 02 40 47.40 +05 10 53.3	15.8	Rq~lA4iH15
e5216	C2014 09 30.35721 23 27 21.14 -02 57 15.6	17.0	Rq~lAXQH15	06501	C2014 09 30.45059 02 41 22.53 +05 30 20.8	16.5	Rq~lA54H15
04172	C2014 09 30.35721 23 23 07.76 -02 20 00.2	17.3	Rq~lA4gH15	17989	C2014 09 30.45059 02 42 01.06 +05 13 39.0	17.2	Rq~lA6oH15
27690	C2014 09 30.35721 23 25 43.34 -02 35 09.2	17.4	Rq~lA87H15	00423	C2014 09 30.45286 02 37 19.15 +04 27 19.3	10.8	Rq~lA3zH15
81716	C2014 09 30.35721 23 24 06.01 -02 39 03.5	18.0	Rq~lAEcH15	05297	C2014 09 30.45514 02 37 43.21 +05 40 37.1	16.0	Rq~lA4tH15
60584	C2014 09 30.36176 23 19 20.68 -06 17 33.1	16.7	Rq~lAC3H15	11065	C2014 09 30.45759 02 56 05.55 +06 42 02.1	15.1	Rq~lA5kH15
42341	C2014 09 30.36176 23 19 43.35 -06 08 24.8	16.4	Rq~lAA2H15	38857	C2014 09 30.45759 02 53 40.79 +06 17 15.5	17.3	Rq~lA9YH15
10874	C2014 09 30.36176 23 16 41.77 -05 33 29.2	16.6	Rq~lA5iH15	04297	C2014 09 30.46087 02 40 47.06 +05 10 49.9	16.0	Rq~lA4iH15
98402	C2014 09 30.36176 23 18 40.84 -05 26 03.7	18.4	Rq~lAGBH15	17989	C2014 09 30.46087 02 42 00.62 +05 13 36.1	17.3	Rq~lA6oH15
86728	C2014 09 30.36176 23 21 05.59 -06 16 32.4	17.5	Rq~lAF2H15	06501	C2014 09 30.46087 02 41 22.28 +05 30 17.1	17.2	Rq~lA54H15
T7299	C2014 09 30.36176 23 17 47.67 -05 46 06.7	17.5	Rq~lATnH15	00423	C2014 09 30.46308 02 37 18.85 +04 27 17.8	11.0	Rq~lA3zH15
13962	C2014 09 30.36176 23 18 46.90 -05 40 53.2	16.0	Rq~lA6BH15	05297	C2014 09 30.46530 02 37 42.91 +05 40 33.1	16.6	Rq~lA4tH15
37048	C2014 09 30.36176 23 19 56.97 -05 29 25.4	18.7	Rq~lA9KH15	W5790	C2014 10 01.09293 00 35 12.41 +23 48 38.3	16.5	Rq~lAVSH15
41325	C2014 09 30.36176 23 19 20.82 -06 04 48.7	16.6	Rq~lA9tH15	W2050	C2014 10 01.09293 00 34 26.02 +22 30 43.7	18.4	Rq~lAV5H15
30859	C2014 09 30.36736 23 23 04.25 -02 04 54.7	17.8	Rq~lA8XH15	55465	C2014 10 01.09293 00 33 48.15 +23 19 45.9	16.9	Rq~lABYH15
74195	C2014 09 30.36736 23 25 17.64 -02 59 51.9	18.2	Rq~lADuH15	78213	C2014 10 01.09293 00 34 44.82 +24 02 35.9	18.6	Rq~lAEGH15
15344	C2014 09 30.36736 23 25 46.86 -03 14 27.0	15.7	Rq~lA6OH15	M6081	C2014 10 01.09293 00 29 58.52 +23 03 51.2	17.9	Rq~lAQFH15
09676	C2014 09 30.36736 23 25 53.00 -03 04 44.4	16.7	Rq~lA5XH15	F8586	C2014 10 01.09521 00 30 00.80 +21 43 33.9	18.4	Rq~lALZH15
67918	C2014 09 30.36736 23 29 46.13 -03 05 16.2	18.0	Rq~lACtH15	E9685	C2014 10 01.09521 00 33 02.81 +21 41 56.0	17.6	Rq~lAKsH15
E2262	C2014 09 30.36736 23 26 03.07 -02 43 20.7	17.9	Rq~lAKAH15	18032	C2014 10 01.09521 00 32 58.61 +22 09 35.5	17.6	Rq~lA6pH15
27690	C2014 09 30.36736 23 25 42.93 -02 35 13.6	17.4	Rq~lA87H15	A3266	C2014 10 01.09748 00 31 55.80 +20 26 33.0	18.8	Rq~lAGfH15
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e5216	C2014 09 30.36736 23 27 20.34 -02 57 13.8	17.6	Rq~lAXQH15	L5112	C2014 10 01.09748 00 32 17.59 +19 34 58.7	18.3	Rq~lAPOH15
54225	C2014 09 30.37198 23 19 09.37 -06 54 27.0	18.3	Rq~lABPH15	M6496	C2014 10 01.09748 00 32 51.94 +19 18 55.0	18.1	Rq~lAQIH15
42341	C2014 09 30.37198 23 19 42.98 -06 08 30.8	16.2	Rq~lAA2H15	I7797	C2014 10 01.09748 00 34 16.81 +19 31 40.9	17.9	Rq~lANtH15
37048	C2014 09 30.37198 23 19 56.64 -05 29 28.5	18.1	Rq~lA9KH15	19727	C2014 10 01.09970 00 44 04.68 +23 36 12.1	16.2	Rq~lA72H15
10874	C2014 09 30.37198 23 16 41.33 -05 33 31.0	16.7	Rq~lA5iH15	E5709	C2014 10 01.09970 00 40 49.68 +24 00 54.4	16.4	Rq~lAKVH15
13962	C2014 09 30.37198 23 18 46.50 -05 40 56.1	16.1	Rq~lA6BH15	L3268	C2014 10 01.09970 00 39 08.12 +22 43 18.4	17.2	Rq~lAPFH15
86728	C2014 09 30.37198 23 21 05.13 -06 16 33.5	17.7	Rq~lAF2H15	R1094	C2014 10 01.09970 00 41 15.77 +23 44 56.9	17.4	Rq~lASrH15
T7299	C2014 09 30.37198 23 17 47.23 -05 46 05.6	17.5	Rq~lATnH15	C8099	C2014 10 01.09970 00 44 44.42 +23 31 32.8	18.7	Rq~lAIwH15
60584	C2014 09 30.37198 23 19 20.16 -06 17 32.2	16.5	Rq~lAC3H15	01505	C2014 10 01.09970 00 39 08.59 +23 25 40.0	14.1	Rq~lA4DH15
23367	C2014 09 30.37198 23 21 12.17 -05 44 11.0	18.0	Rq~lA7XH15	d9441	C2014 10 01.09970 00 44 12.91 +23 30 14.7	18.3	Rq~lAX4H15
41325	C2014 09 30.37198 23 19 20.50 -06 04 53.3	16.6	Rq~lA9tH15	76200	C2014 10 01.09970 00 40 54.58 +23 11 36.3	17.1	Rq~lAE6H15
98402	C2014 09 30.37198 23 18 40.25 -05 26 06.6	18.6	Rq~lAGBH15	78213	C2014 10 01.10285 00 34 44.36 +24 02 33.2	18.4	Rq~lAEGH15

W5790	C2014 10 01.10285 00 35 11.96 +23 48 32.3	17.1	Rq~lAVSH15	L1916	C2014 10 01.13572 00 39 23.96 +05 58 24.1	18.7	Rq~lAPAH15
55465	C2014 10 01.10285 00 33 47.67 +23 19 42.9	16.7	Rq~lABYH15	36870	C2014 10 01.13572 00 39 19.68 +06 24 33.6	18.1	Rq~lA9JH15
W2050	C2014 10 01.10285 00 34 25.38 +22 30 38.8	17.8	Rq~lAV5H15	16759	C2014 10 01.13572 00 43 44.17 +05 44 20.5	17.6	Rq~lA6cH15
M6081	C2014 10 01.10285 00 29 58.16 +23 03 46.3	18.6	Rq~lAQFH15	20901	C2014 10 01.13572 00 43 25.00 +06 57 59.5	16.9	Rq~lA7CH15
E9685	C2014 10 01.10536 00 33 02.23 +21 41 52.9	17.1	Rq~lAKsH15	G0560	C2014 10 01.13572 00 43 23.76 +05 46 04.7	17.7	Rq~lALjH15
F8586	C2014 10 01.10536 00 30 00.49 +21 43 26.4	18.0	Rq~lALZH15	I5413	C2014 10 01.13572 00 39 37.55 +05 25 21.4	19.5	Rq~lANiH15
18032	C2014 10 01.10536 00 32 58.10 +22 09 32.6	17.1	Rq~lA6pH15	73479	C2014 10 01.13572 00 39 58.42 +05 29 32.4	17.4	Rq~lADoH15
M6496	C2014 10 01.10770 00 32 51.42 +19 18 51.9	18.5	Rq~lAQIH15	22466	C2014 10 01.13572 00 44 11.51 +06 34 52.5	16.4	Rq~lA7RH15
I7797	C2014 10 01.10770 00 34 16.44 +19 31 38.2	18.0	Rq~lANtH15	W4525	C2014 10 01.13572 00 43 34.72 +06 00 36.6	18.4	Rq~lAVKH15
L5112	C2014 10 01.10770 00 32 17.21 +19 34 51.7	17.9	Rq~lAPOH15	31642	C2014 10 01.13572 00 38 22.38 +05 52 16.7	19.1	Rq~lA8dH15
I2143	C2014 10 01.10770 00 36 22.11 +20 22 22.2	19.2	Rq~lANSH15	53713	C2014 10 01.13572 00 42 43.91 +05 25 23.5	18.9	Rq~lABMH15
76200	C2014 10 01.10991 00 40 54.01 +23 11 36.5	16.7	Rq~lAE6H15	40792	C2014 10 01.13572 00 43 57.39 +06 09 12.4	17.8	Rq~lA9pH15
01505	C2014 10 01.10991 00 39 08.07 +23 25 35.8	14.2	Rq~lA4DH15	41997	C2014 10 01.13572 00 42 05.22 +05 45 45.8	17.9	Rq~lA9zH15
E5709	C2014 10 01.10991 00 40 49.02 +24 00 56.4	16.4	Rq~lAKVH15	48411	C2014 10 01.13892 00 43 42.34 +04 33 35.6	14.6	Rq~lAAoH15
L3268	C2014 10 01.10991 00 39 07.59 +22 43 14.2	18.0	Rq~lAPFH15	39538	C2014 10 01.13892 00 44 38.02 +04 35 15.4	19.1	Rq~lA9dH15
R1094	C2014 10 01.10991 00 41 15.11 +23 44 58.4	18.2	Rq~lASrH15	33839	C2014 10 01.13892 00 39 33.03 +04 52 56.8	16.8	Rq~lA8uH15
19727	C2014 10 01.10991 00 44 04.14 +23 36 08.0	16.1	Rq~lA72H15	25498	C2014 10 01.13892 00 44 57.90 +05 16 50.4	19.2	Rq~lA7pH15
d9441	C2014 10 01.10991 00 44 12.49 +23 30 12.3	17.6	Rq~lAX4H15	25186	C2014 10 01.13892 00 44 27.77 +04 49 55.1	17.6	Rq~lA7mH15
W5790	C2014 10 01.11311 00 35 11.58 +23 48 26.7	17.2	Rq~lAVSH15	92368	C2014 10 01.13892 00 42 41.02 +04 19 31.7	17.2	Rq~lAFZH15
W2050	C2014 10 01.11311 00 34 24.81 +22 30 35.9	18.6	Rq~lAV5H15	A2265	C2014 10 01.13892 00 40 31.32 +03 45 02.1	18.4	Rq~lAGZH15
78213	C2014 10 01.11311 00 34 43.90 +24 02 30.4	18.8	Rq~lAEGH15	00874	C2014 10 01.13892 00 38 53.50 +04 27 28.4	13.5	Rq~lA46H15
M6081	C2014 10 01.11311 00 29 57.70 +23 03 41.7	18.6	Rq~lAQFH15	W9647	C2014 10 01.13892 00 42 46.07 +04 31 44.5	17.9	Rq~lAVkH15
E9685	C2014 10 01.11641 00 33 01.58 +21 41 49.7	17.2	Rq~lAKsH15	A0842	C2014 10 01.13892 00 39 43.31 +04 32 46.3	18.4	Rq~lAGRH15
F8586	C2014 10 01.11641 00 30 00.08 +21 43 19.9	17.9	Rq~lALZH15	D3333	C2014 10 01.13892 00 43 59.96 +03 32 24.2	19.1	Rq~lAJVH15
18032	C2014 10 01.11641 00 32 57.54 +22 09 28.9	17.1	Rq~lA6pH15	B7881	C2014 10 01.13892 00 40 37.51 +03 30 25.3	18.7	Rq~lAI6H15
I7797	C2014 10 01.11863 00 34 16.04 +19 31 33.4	17.1	Rq~lANtH15	P1474	C2014 10 01.13892 00 38 19.57 +05 07 33.9	19.0	Rq~lARPH15
L5112	C2014 10 01.11863 00 32 16.68 +19 34 45.5	18.2	Rq~lAPOH15	10122	C2014 10 01.13892 00 42 10.32 +04 04 30.0	16.7	Rq~lA5cH15
A3266	C2014 10 01.11863 00 31 54.75 +20 26 27.0	17.8	Rq~lAGfH15	U6430	C2014 10 01.13892 00 41 13.38 +03 46 46.0	18.5	Rq~lATvH15
I2143	C2014 10 01.11863 00 36 21.61 +20 22 17.5	18.3	Rq~lANSH15	18563	C2014 10 01.13892 00 39 00.71 +04 55 44.8	16.2	Rq~lA6uH15
R1094	C2014 10 01.12091 00 41 14.39 +23 45 01.2	18.4	Rq~lASrH15	52198	C2014 10 01.13892 00 38 32.26 +03 31 53.8	16.7	Rq~lABCH15
01505	C2014 10 01.12091 00 39 07.50 +23 25 31.6	14.4	Rq~lA4DH15	72505	C2014 10 01.13892 00 43 24.52 +04 16 10.5	19.0	Rq~lADeH15
E5709	C2014 10 01.12091 00 40 48.31 +24 00 58.3	16.5	Rq~lAKVH15	K03SF8J	C2014 10 01.13892 00 42 53.03 +05 07 23.9	18.6	Rq~l9x2H15
L3268	C2014 10 01.12091 00 39 06.92 +22 43 08.7	17.7	Rq~lAPFH15	93844	C2014 10 01.13892 00 42 35.99 +04 51 29.5	18.5	Rq~lAFeH15
19727	C2014 10 01.12091 00 44 03.50 +23 36 03.7	16.0	Rq~lA72H15	94476	C2014 10 01.13892 00 43 30.55 +05 06 09.0	18.4	Rq~lAFiH15
C8099	C2014 10 01.12091 00 44 43.27 +23 31 31.4	19.7	Rq~lAIwH15	D4797	C2014 10 01.13892 00 38 35.16 +04 02 28.6	17.3	Rq~lAJgH15
d9441	C2014 10 01.12091 00 44 11.96 +23 30 09.7	17.5	Rq~lAX4H15	F6698	C2014 10 01.13892 00 41 01.36 +04 08 58.2	19.5	Rq~lALQH15
76200	C2014 10 01.12091 00 40 53.40 +23 11 36.6	16.9	Rq~lAE6H15	G7734	C2014 10 01.13892 00 44 46.67 +04 27 37.0	18.6	Rq~lAMKH15
M6081	C2014 10 01.12336 00 29 57.28 +23 03 36.6	18.9	Rq~lAQFH15	H3139	C2014 10 01.13892 00 42 00.22 +05 05 45.2	17.5	Rq~lAMoH15
55465	C2014 10 01.12336 00 33 46.56 +23 19 37.6	16.5	Rq~lABYH15	K5856	C2014 10 01.13892 00 42 41.10 +04 55 46.6	18.9	Rq~lAOnH15
W2050	C2014 10 01.12336 00 34 24.25 +22 30 31.4	18.6	Rq~lAV5H15	V2082	C2014 10 01.13892 00 42 59.36 +05 03 10.0	18.2	Rq~lAUFH15
78213	C2014 10 01.12336 00 34 43.43 +24 02 26.6	17.9	Rq~lAEGH15	00280	C2014 10 01.13892 00 40 56.04 +04 24 36.5	13.7	Rq~lA3xH15
E9685	C2014 10 01.12668 00 33 00.96 +21 41 47.9	17.4	Rq~lAKsH15	D7029	C2014 10 01.13892 00 43 23.98 +04 50 25.8	17.4	Rq~lAJqH15
F8586	C2014 10 01.12668 00 29 59.74 +21 43 12.5	18.4	Rq~lALZH15	E6391	C2014 10 01.13892 00 41 04.58 +04 27 51.1	17.4	Rq~lAKYH15
18032	C2014 10 01.12668 00 32 57.01 +22 09 25.6	16.7	Rq~lA6pH15	L2867	C2014 10 01.13892 00 41 24.36 +04 47 14.0	19.3	Rq~lAPEH15
I7797	C2014 10 01.12895 00 34 15.58 +19 31 29.5	17.0	Rq~lANtH15	S7880	C2014 10 01.13892 00 39 13.21 +04 17 03.4	19.2	Rq~lATLH15
L5112	C2014 10 01.12895 00 32 16.18 +19 34 38.2	17.6	Rq~lAPOH15	37812	C2014 10 01.13892 00 41 14.50 +05 10 28.1	15.6	Rq~lA9QH15
M6496	C2014 10 01.12895 00 32 50.45 +19 18 44.9	18.6	Rq~lAQIH15	41679	C2014 10 01.13892 00 42 49.88 +04 23 15.0	16.7	Rq~lA9wH15
A3266	C2014 10 01.12895 00 31 54.22 +20 26 24.6	18.7	Rq~lAGfH15	69395	C2014 10 01.13892 00 40 55.55 +04 28 34.4	18.4	Rq~lADdH15
I2143	C2014 10 01.12895 00 36 21.16 +20 22 10.9	18.6	Rq~lANSH15	K14OT7M	C2014 10 01.13892 00 43 43.99 +04 03 19.4	19.0	Rq~lA0IH15
76200	C2014 10 01.13124 00 40 52.78 +23 11 36.9	17.4	Rq~lAE6H15	f1271K10RF8F	C2014 10 01.13892 00 42 13.13 +04 15 21.3	18.3	Rq~l9ywH15
R1094	C2014 10 01.13124 00 41 13.77 +23 45 02.8	17.8	Rq~lASrH15	64920	C2014 10 01.14113 00 40 20.14 +02 44 27.6	16.3	Rq~lACWH15
d9441	C2014 10 01.13124 00 44 11.43 +23 30 07.4	18.1	Rq~lAX4H15	40750	C2014 10 01.14113 00 41 19.73 +03 26 32.9	17.8	Rq~lA9oH15
01505	C2014 10 01.13124 00 39 06.97 +23 25 27.5	14.2	Rq~lA4DH15	42056	C2014 10 01.14113 00 38 28.53 +03 12 59.1	18.9	Rq~lA9zH15
19727	C2014 10 01.13124 00 44 02.93 +23 35 59.9	16.2	Rq~lA72H15	B0230	C2014 10 01.14113 00 41 52.70 +03 05 21.8	18.9	Rq~lAHKH15
C8099	C2014 10 01.13124 00 44 42.72 +23 31 29.5	18.9	Rq~lAIwH15	69176	C2014 10 01.14113 00 41 43.93 +03 26 03.7	16.5	Rq~lAD4H15
E5709	C2014 10 01.13124 00 40 47.53 +24 01 00.6	15.9	Rq~lAKVH15	85216	C2014 10 01.14113 00 41 10.37 +03 10 00.1	18.1	Rq~lAEuH15
L3268	C2014 10 01.13124 00 39 06.42 +22 43 05.0	17.3	Rq~lAPFH15	D3333	C2014 10 01.14113 00 43 59.92 +03 32 24.1	19.6	Rq~lAJVH15
f1855K12D76X	C2014 10 01.13345 00 42 53.62 +18 58 25.5	18.9	Rq~l9zUH15	00720	C2014 10 01.14113 00 39 12.49 +02 28 56.8	11.5	Rq~lA43H15
02813	C2014 10 01.13345 00 45 00.30 +19 01 18.5	14.9	Rq~lA4RH15	V1536	C2014 10 01.14113 00 41 42.65 +01 49 06.3	18.5	Rq~lAUDH15
P0644	C2014 10 01.13345 00 39 09.64 +20 14 11.1	18.5	Rq~lARLH15	a1137	C2014 10 01.14113 00 41 03.42 +02 24 04.6	19.3	Rq~lAWJH15
03150	C2014 10 01.13345 00 41 33.15 +18 54 14.8	15.1	Rq~lA4VH15	52595	C2014 10 01.14113 00 38 24.61 +02 52 02.7	19.1	Rq~lABEH15
21532	C2014 10 01.13345 00 39 32.81 +19 31 44.2	17.1	Rq~lA7IH15	70028	C2014 10 01.14113 00 42 23.43 +02 51 08.9	16.7	Rq~lADEH15
E2645	C2014 10 01.13345 00 43 17.59 +19 23 27.1	16.8	Rq~lAKEH15	F0001	C2014 10 01.14113 00 43 34.67 +01 55 23.0	18.8	Rq~lAKuH15
M9009	C2014 10 01.13345 00 43 40.32 +19 34 44.1	17.0	Rq~lAQTH15	G2623	C2014 10 01.14113 00 42 19.59 +03 09 38.0	17.5	Rq~lALuH15
B5207	C2014 10 01.13345 00 43 38.10 +20 21 06.8	18.5	Rq~lAHqH15	I3301	C2014 10 01.14113 00 43 07.46 +02 27 24.3	18.9	Rq~lANXH15
I6615	C2014 10 01.13345 00 42 18.92 +19 29 47.4	18.8	Rq~lANoH15	K9664	C2014 10 01.14113 00 41 55.63 +01 59 55.1	18.8	Rq~lAP0H15
M4745	C2014 10 01.13345 00 40 41.98 +20 06 24.5	18.7	Rq~lAQAH15	12902	C2014 10 01.14113 00 39 28.60 +03 12 39.7	15.8	Rq~lA61H15
81152	C2014 10 01.13572 00 42 10.83 +06 35 28.8	16.1	Rq~lAEWH15	32824	C2014 10 01.14113 00 41 35.61 +02 08 53.6	16.0	Rq~lA81H15
V3675	C2014 10 01.13572 00 43 46.15 +06 15 07.0	18.2	Rq~lAUNH15	55165	C2014 10 01.14113 00 39 21.14 +02 09 54.5	17.8	Rq~lABWH15
50910	C2014 10 01.13572 00 38 28.15 +06 27 59.1	17.2	Rq~lAB3H15	70189	C2014 10 01.14113 00 40 28.87 +02 49 34.3	18.1	Rq~lADFH15
31797	C2014 10 01.13572 00 43 46.80 +06 15 30.6	16.9	Rq~lA8eH15	E3170	C2014 10 01.14113 00 41 44.15 +02 19 43.8	17.8	Rq~lAKJH15
66282	C2014 10 01.13572 00 43 21.49 +05 21 48.6	18.1	Rq~lAChH15	B0180	C2014 10 01.14113 00 42 51.77 +02 45 49.9	18.3	Rq~lAHKH15
54425	C2014 10 01.13572 00 44 26.34 +06 21 32.1	17.8	Rq~lABRH15	K14SE7S	C2014 10 01.14113 00 39 12.52 +03 00 44.1	17.5	Rq~lA1qH15
A9563	C2014 10 01.13572 00 44 11.49 +06 04 10.5	16.9	Rq~lAHEH15	f1855K12D76X	C2014 10 01.14376 00 42 52.96 +18 58 25.7	18.6	Rq~l9zUH15
B0814	C2014 10 01.13572 00 38 27.97 +06 36 11.6	19.2	Rq~lAHQH15	02813	C2014 10 01.14376 00 44 59.86 +19 01 14.4	14.8	Rq~lA4RH15
B7917	C2014 10 01.13572 00 42 49.17 +05 34 38.8	19.4	Rq~lAI6H15	03150	C2014 10 01.14376 00 41 32.56 +18 54 14.8	15.0	Rq~lA4VH15
02939	C2014 10 01.13572 00 42 44.96 +07 00 03.0	15.6	Rq~lA4TH15	P0644	C2014 10 01.14376 00 39 09.13 +20 14 03.2	19.1	Rq~lARLH15
V8819	C2014 10 01.13572 00 43 50.82 +05 26 58.0	17.8	Rq~lAUnH15	21532	C2014 10 01.14376 00 39 32.25 +19 31 41.2	16.9	Rq~lA7IH15
W4699	C2014 10 01.13572 00 40 29.36 +06 02 29.5	19.1	Rq~lAVLH15	E2645	C2014 10 01.14376 00 43 16.99 +19 23 21.6	17.2	Rq~lAKEH15
66083	C2014 10 01.13572 00 42 13.23 +06 31 07.3	17.3	Rq~lACeH15	M9009	C2014 10 01.14376 00 43 39.61 +19 34 47.2	18.0	Rq~lAQTH15
70466	C2014 10 01.13572 00 44 10.14 +06 41 52.0	17.3	Rq~lADJH15	I6615	C2014 10 01.14376 00 42 18.30 +19 29 45.9	18.9	Rq~lANoH15
E6404	C2014 10 01.13572 00 42 51.18 +06 46 18.4	18.4	Rq~lAKYH15	M4745	C2014 10 01.14376 00 40 41.47 +20 06 19.7	18.8	Rq~lAQAH15
G2617	C2014 10 01.13572 00 43 19.58 +06 33 02.8	17.2	Rq~lALtH15	81152	C2014 10 01.14603 00 42 10.15 +06 35 29.0	16.0	Rq~lAEWH15
I2686	C2014 10 01.13572 00 39 08.11 +06 46 12.8	18.3	Rq~lANVH15	54425	C2014 10 01.14603 00 44 25.81 +06 21 25.8	17.7	Rq~lABRH15
M3851	C2014 10 01.13572 00 42 43.69 +06 31 13.4	18.2	Rq~lAQ5H15	50910	C2014 10 01.14603 00 38 27.67 +06 27 53.6	17.0	Rq~lAB3H15
13929	C2014 10 01.13572 00 39 34.76 +05 33 27.1	15.6	Rq~lA6BH15	53713	C2014 10 01.14603 00 42 43.33 +05 25 19.4	18.6	Rq~lABMH15
69551	C2014 10 01.13572 00 42 15.67 +05 22 40.4	18.6	Rq~lAD7H15	36870	C2014 10 01.14603 00 39 19.11 +06 24 29.2	17.2	Rq~lA9JH15
30034	C2014 10 01.13572 00 40 38.70 +05 52 45.5	17.0	Rq~lA8RH15	a8129	C2014 10 01.14603 00 39 49.20 +06 27 59.7	19.1	Rq~lAWpH15
B5908	C2014 10 01.13572 00 43 43.54 +06 22 41.3	18.9	Rq~lAHwH15	73479	C2014 10 01.14603 00 39 57.96 +05 29 28.9	17.4	Rq~lADoH15
a8129	C2014 10 01.13572 00 39 49.67 +06 28 02.9	19.9	Rq~lAWpH15	W4525	C2014 10 01.14603 00 43 34.21 +06 00 36.0	18.4	Rq~lAVKH15
15447	C2014 10 01.13572 00 41 10.74 +06 30 36.6	16.9	Rq~lA6OH15	66282	C2014 10 01.14603 00 43 20.91 +05 21 44.4	17.8	Rq~lAChH15
24697	C2014 10 01.13572 00 42 33.54 +06 36 18.8	15.2	Rq~lA7iH15	A9563	C2014 10 01.14603 00 44 11.01 +06 04 02.9	16.7	Rq~lAHEH15
88791	C2014 10 01.13572 00 43 25.47 +06 58 29.9	16.6	Rq~lAFEH15	B0814	C2014 10 01.14603 00 38 27.53 +06 36 03.2	19.9	Rq~lAHQH15
K07R31B	C2014 10 01.13572 00 42 55.75 +05 52 25.5	18.2	Rq~l9xyH15	02939	C2014 10 01.14603 00 42 44.36 +07 00 00.1	16.0	Rq~lA4TH15
K01U78B	C2014 10 01.13572 00 41 53.09 +06 30 26.3	18.5	Rq~l9wtH15	V8819	C2014 10 01.14603 00 43 50.26 +05 26 57.2	17.2	Rq~lAUnH15
G6221	C2014 10 01.13572 00 41 39.22 +06 50 40.9	17.8	Rq~lAMEH15	66083	C2014 10 01.14603 00 42 12.77 +06 31 04.1	17.6	Rq~lACeH15
H0694	C2014 10 01.13572 00 42 04.92 +06 59 29.4	17.8	Rq~lAMbH15	G0560	C2014 10 01.14603 00 43 23.25 +05 46 01.7	17.5	Rq~lALjH15

G2617	C2014 10 01.14603 00 43 19.01 +06 33 00.2	17.7 Rq~lALtH15
M3851	C2014 10 01.14603 00 42 43.16 +06 31 09.6	17.9 Rq~lAQ5H15
W4699	C2014 10 01.14603 00 40 28.77 +06 02 26.8	19.3 Rq~lAVLH15
30034	C2014 10 01.14603 00 40 38.08 +05 52 40.8	17.9 Rq~lA8RH15
13929	C2014 10 01.14603 00 39 34.19 +05 33 22.4	15.5 Rq~lA6BH15
W3484	C2014 10 01.14603 00 39 12.97 +06 13 02.8	18.8 Rq~lAVDH15
24697	C2014 10 01.14603 00 42 32.97 +06 36 16.6	15.3 Rq~lA7iH15
70466	C2014 10 01.14603 00 44 09.54 +06 41 49.6	17.5 Rq~lADJH15
K01U78B	C2014 10 01.14603 00 41 52.54 +06 30 20.4	19.1 Rq~l9wtH15
88791	C2014 10 01.14603 00 43 24.77 +06 58 30.7	16.8 Rq~lAFEH15
H0694	C2014 10 01.14603 00 42 04.34 +06 59 26.4	17.6 Rq~lAMbH15
I2686	C2014 10 01.14603 00 39 07.69 +06 46 08.0	18.9 Rq~lANVH15
16759	C2014 10 01.14603 00 43 43.64 +05 44 16.5	17.2 Rq~lA6cH15
31797	C2014 10 01.14603 00 43 46.24 +06 15 28.9	17.4 Rq~lA8eH15
E6525	C2014 10 01.14603 00 38 27.41 +05 58 17.4	18.8 Rq~lAKaH15
G6221	C2014 10 01.14603 00 41 38.57 +06 50 41.0	18.2 Rq~lAMEH15
20901	C2014 10 01.14603 00 43 24.36 +06 57 57.1	17.0 Rq~lA7CH15
40792	C2014 10 01.14603 00 43 56.80 +06 09 10.1	18.2 Rq~lA9pH15
15447	C2014 10 01.14603 00 41 10.16 +06 30 33.7	17.3 Rq~lA6OH15
V3675	C2014 10 01.14603 00 43 45.59 +06 15 05.7	17.1 Rq~lAUNH15
22466	C2014 10 01.14603 00 44 10.91 +06 34 49.4	16.5 Rq~lA7RH15
41997	C2014 10 01.14603 00 42 04.71 +05 45 42.4	18.1 Rq~lA9zH15
69551	C2014 10 01.14603 00 42 15.21 +05 22 36.8	18.5 Rq~lAD7H15
K07R31B	C2014 10 01.14603 00 42 55.26 +05 52 17.7	18.3 Rq~l9xyH15
E6404	C2014 10 01.14603 00 42 50.68 +06 46 12.7	18.5 Rq~lAKYH15
A0842	C2014 10 01.14911 00 39 42.73 +04 32 44.3	19.2 Rq~lAGRH15
48411	C2014 10 01.14911 00 43 41.81 +04 33 36.5	14.8 Rq~lAAoH15
33839	C2014 10 01.14911 00 39 32.46 +04 52 51.7	17.0 Rq~lA8uH15
25498	C2014 10 01.14911 00 44 57.39 +05 16 48.2	19.4 Rq~lA7pH15
25186	C2014 10 01.14911 00 44 27.10 +04 49 54.0	16.8 Rq~lA7mH15
69395	C2014 10 01.14911 00 40 55.12 +04 28 30.6	18.1 Rq~lAD6H15
00874	C2014 10 01.14911 00 38 53.07 +04 27 24.2	13.5 Rq~lA46H15
10122	C2014 10 01.14911 00 42 09.85 +04 04 27.2	16.8 Rq~lA5cH15
39538	C2014 10 01.14911 00 44 37.40 +04 35 11.7	19.4 Rq~lA9dH15
K14OT7M	C2014 10 01.14911 00 43 43.35 +04 03 19.3	18.9 Rq~lA0IH15
W9647	C2014 10 01.14911 00 42 45.48 +04 31 44.2	18.1 Rq~lAVkH15
U6430	C2014 10 01.14911 00 41 12.74 +03 46 45.7	18.1 Rq~lATvH15
D3333	C2014 10 01.14911 00 43 59.64 +03 32 19.4	19.5 Rq~lAJVH15
18563	C2014 10 01.14911 00 39 00.23 +04 55 41.7	16.2 Rq~lA6uH15
52198	C2014 10 01.14911 00 38 31.54 +03 31 54.9	16.5 Rq~lABCH15
94476	C2014 10 01.14911 00 43 29.95 +05 06 06.6	18.3 Rq~lAFiH15
A2265	C2014 10 01.14911 00 40 30.65 +03 44 57.0	18.3 Rq~lAGZH15
B7881	C2014 10 01.14911 00 40 36.90 +03 30 23.8	18.0 Rq~lAI6H15
D4797	C2014 10 01.14911 00 38 34.53 +04 02 25.5	18.1 Rq~lAJgH15
G7734	C2014 10 01.14911 00 44 46.08 +04 27 33.0	18.2 Rq~lAMKH15
H3139	C2014 10 01.14911 00 41 59.71 +05 05 42.1	17.9 Rq~lAMoH15
K5856	C2014 10 01.14911 00 42 40.53 +04 55 42.2	19.0 Rq~lAOnH15
V2082	C2014 10 01.14911 00 42 58.73 +05 03 07.3	18.4 Rq~lAUFH15
S7880	C2014 10 01.14911 00 39 12.66 +04 16 58.3	18.5 Rq~lATLH15
00280	C2014 10 01.14911 00 40 55.51 +04 24 34.8	13.8 Rq~lA3xH15
D7029	C2014 10 01.14911 00 43 23.45 +04 50 25.3	17.3 Rq~lAJqH15
E6391	C2014 10 01.14911 00 41 03.94 +04 27 50.9	17.0 Rq~lAKYH15
L2867	C2014 10 01.14911 00 41 23.76 +04 47 11.5	19.6 Rq~lAPEH15
37812	C2014 10 01.14911 00 41 13.90 +05 10 25.7	15.7 Rq~lA9QH15
41679	C2014 10 01.14911 00 42 49.28 +04 23 10.9	17.0 Rq~lA9wH15
K03SF8J	C2014 10 01.14911 00 42 52.43 +05 07 24.9	18.0 Rq~l9x2H15
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72505	C2014 10 01.14911 00 43 23.97 +04 16 05.9	19.3 Rq~lADeH15
92368	C2014 10 01.14911 00 42 40.38 +04 19 28.3	17.9 Rq~lAFaH15
93844	C2014 10 01.14911 00 42 35.37 +04 51 26.7	18.4 Rq~lAFeH15
P1474	C2014 10 01.14911 00 38 19.01 +05 07 31.3	18.7 Rq~lARPH15
64920	C2014 10 01.15140 00 40 19.56 +02 44 23.7	17.0 Rq~lACWH15
40750	C2014 10 01.15140 00 41 19.25 +03 26 28.9	18.6 Rq~lA9oH15
42056	C2014 10 01.15140 00 38 27.99 +03 12 56.5	18.4 Rq~lA9zH15
O9601	C2014 10 01.15140 00 39 50.26 +02 38 35.5	17.8 Rq~lARFH15
69176	C2014 10 01.15140 00 41 43.49 +03 26 00.7	16.6 Rq~lAD4H15
52595	C2014 10 01.15140 00 38 24.00 +02 52 01.3	18.7 Rq~lABEH15
B0180	C2014 10 01.15140 00 42 51.25 +02 45 47.1	19.0 Rq~lAHKH15
E3170	C2014 10 01.15140 00 41 43.64 +02 19 41.8	17.6 Rq~lAKJH15
F0001	C2014 10 01.15140 00 43 34.11 +01 55 21.3	18.8 Rq~lAKuH15
G2623	C2014 10 01.15140 00 42 19.02 +03 09 32.7	17.2 Rq~lALuH15
I3301	C2014 10 01.15140 00 43 06.94 +02 27 19.9	19.1 Rq~lANXH15
00720	C2014 10 01.15140 00 39 11.99 +02 28 54.0	11.5 Rq~lA43H15
K9664	C2014 10 01.15140 00 41 55.02 +01 59 52.3	19.0 Rq~lAP0H15
12902	C2014 10 01.15140 00 39 28.10 +03 12 38.4	15.9 Rq~lA61H15
32824	C2014 10 01.15140 00 41 35.06 +02 08 48.2	15.9 Rq~lA81H15
70028	C2014 10 01.15140 00 42 22.87 +02 51 08.5	16.5 Rq~lADEH15
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03150	C2014 10 01.15390 00 41 31.98 +18 54 14.8	15.0 Rq~lA4VH15
02813	C2014 10 01.15390 00 44 59.42 +19 01 10.5	14.8 Rq~lA4RH15
E2645	C2014 10 01.15390 00 43 16.53 +19 23 14.5	17.2 Rq~lAKEH15
M9009	C2014 10 01.15390 00 43 38.98 +19 34 49.3	17.8 Rq~lAQTH15
B5207	C2014 10 01.15390 00 43 37.18 +20 21 01.2	18.6 Rq~lAHqH15
I6615	C2014 10 01.15390 00 42 17.84 +19 29 43.7	19.0 Rq~lANoH15
21532	C2014 10 01.15390 00 39 31.77 +19 31 39.4	17.2 Rq~lA7IH15
B0814	C2014 10 01.15630 00 38 26.98 +06 35 57.2	19.0 Rq~lAHQH15
K07R31B	C2014 10 01.15630 00 42 54.89 +05 52 09.0	18.5 Rq~l9xyH15
16759	C2014 10 01.15630 00 43 43.21 +05 44 11.1	17.0 Rq~lA6cH15
54425	C2014 10 01.15630 00 44 25.30 +06 21 18.4	17.0 Rq~lABRH15
36870	C2014 10 01.15630 00 39 18.48 +06 24 24.9	17.9 Rq~lA9JH15
73479	C2014 10 01.15630 00 39 57.49 +05 29 26.0	17.6 Rq~lADoH15
20901	C2014 10 01.15630 00 43 23.66 +06 57 55.1	17.4 Rq~lA7CH15
02939	C2014 10 01.15630 00 42 43.76 +06 59 57.3	15.8 Rq~lA4TH15
66282	C2014 10 01.15630 00 43 20.24 +05 21 39.3	17.5 Rq~lAChH15
53713	C2014 10 01.15630 00 42 42.77 +05 25 15.7	19.4 Rq~lABMH15
B5908	C2014 10 01.15630 00 43 42.73 +06 22 31.4	18.9 Rq~lAHwH15
B7917	C2014 10 01.15630 00 42 48.19 +05 34 34.4	19.5 Rq~lAI6H15
V8819	C2014 10 01.15630 00 43 49.73 +05 26 56.5	18.1 Rq~lAUnH15
66083	C2014 10 01.15630 00 42 12.31 +06 31 01.7	18.2 Rq~lACeH15
70466	C2014 10 01.15630 00 44 08.98 +06 41 46.4	18.0 Rq~lADKH15
G0560	C2014 10 01.15630 00 43 22.70 +05 45 57.9	18.0 Rq~lALjH15
G2617	C2014 10 01.15630 00 43 18.51 +06 32 56.9	17.2 Rq~lALtH15
M3851	C2014 10 01.15630 00 42 42.69 +06 31 07.5	17.7 Rq~lAQ5H15
W3484	C2014 10 01.15630 00 39 12.36 +06 13 03.3	18.2 Rq~lAVDH15
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69798          C2014 10 01.17943 00 46 44.33 +02 48 51.3          17.5 Rq~lADBH15
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14640          C2014 10 01.17943 00 51 30.24 +01 56 44.2          16.2 Rq~lA6IH15
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76107          C2014 10 01.18170 00 48 58.64 +05 00 51.6          19.2 Rq~lAE6H15
15200          C2014 10 01.18170 00 50 55.50 +04 09 26.0          16.6 Rq~lA6MH15
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e7056          C2014 10 01.18170 00 49 02.72 +03 47 16.1          18.7 Rq~lAXgH15
56166          C2014 10 01.18170 00 45 19.25 +04 13 43.4          17.9 Rq~lABcH15
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A8794          C2014 10 01.18170 00 49 34.39 +04 00 04.6          19.4 Rq~lAHAH15
93826          C2014 10 01.18170 00 47 58.57 +04 13 53.6          18.3 Rq~lAFeH15
F4143          C2014 10 01.18170 00 50 30.86 +03 43 20.1          18.5 Rq~lALEH15
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43762          C2014 10 01.18507 00 44 43.16 +01 31 13.4          16.7 Rq~lAAFH15
44747          C2014 10 01.18507 00 42 33.02 +00 24 28.6          17.7 Rq~lAALH15
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05013          C2014 10 01.18507 00 44 53.52 +01 02 18.3          15.0 Rq~lA4qH15
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00470          C2014 10 01.18507 00 39 47.94 +00 50 08.4          11.6 Rq~lA40H15
24326          C2014 10 01.18507 00 42 49.95 +00 43 42.2          17.3 Rq~lA7fH15
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77125          C2014 10 01.18734 00 48 08.01 +00 38 04.3          18.5 Rq~lAEBH15
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71822          C2014 10 01.18734 00 47 14.52 +01 13 28.3          18.4 Rq~lADWH15
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M1429          C2014 10 01.18734 00 48 02.02 +01 11 37.3          18.5 Rq~lAPsH15
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14099          C2014 10 01.18734 00 48 43.26 +01 44 20.4          15.7 Rq~lA6CH15
P1312          C2014 10 01.18734 00 50 36.96 +00 24 14.9          17.8 Rq~lARPH15
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52408          C2014 10 01.18734 00 45 56.94 +00 09 57.2          18.9 Rq~lABDH15
59603          C2014 10 01.18734 00 47 43.86 +00 23 21.4          16.8 Rq~lAByH15
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40887          C2014 10 01.18957 00 48 16.25 +02 00 33.1          18.8 Rq~lA9qH15
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23165          C2014 10 01.19534 00 43 18.86 +01 22 12.3          17.6 Rq~lA7WH15
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G2488          C2014 10 01.19534 00 43 11.32 +00 37 20.0          17.3 Rq~lALrH15
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22846          C2014 10 01.19534 00 45 14.00 +00 16 31.6          17.7 Rq~lA7UH15
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42853          C2014 10 01.19762 00 51 49.60 +00 58 01.5          18.5 Rq~lAA7H15
77125          C2014 10 01.19762 00 48 07.62 +00 37 59.8          18.1 Rq~lAEBH15
29882          C2014 10 01.19762 00 47 31.72 +00 19 07.1          17.0 Rq~lA8PH15
90150          C2014 10 01.19762 00 52 19.45 +00 23 25.5          19.0 Rq~lAFLH15
     K14OT7W   C2014 10 01.19762 00 46 51.71 +01 42 23.2          18.6 Rq~lA0IH15
14099          C2014 10 01.19762 00 48 42.80 +01 44 17.3          15.9 Rq~lA6CH15
21821          C2014 10 01.19762 00 47 26.71 +00 47 24.8          17.4 Rq~lA7LH15
52408          C2014 10 01.19762 00 45 56.31 +00 09 52.7          18.4 Rq~lABDH15
57683          C2014 10 01.19762 00 50 01.78 +00 39 08.0          15.8 Rq~lABmH15
71822          C2014 10 01.19762 00 47 13.94 +01 13 25.4          18.1 Rq~lADWH15
A5307          C2014 10 01.19762 00 49 57.17 +00 12 07.1          19.0 Rq~lAGqH15
E3207          C2014 10 01.19762 00 50 44.11 +00 18 07.0          18.2 Rq~lAKJH15
B6590          C2014 10 01.19762 00 50 48.67 +01 28 58.9          18.6 Rq~lAHzH15
12623          C2014 10 01.19762 00 50 14.16 +01 20 22.7          16.1 Rq~lA5zH15
P1312          C2014 10 01.19762 00 50 36.33 +00 24 18.6          16.5 Rq~lARPH15
P6248          C2014 10 01.19762 00 48 59.86 +01 41 17.4          18.7 Rq~lARsH15
16938          C2014 10 01.19762 00 51 08.52 +00 29 22.0          15.8 Rq~lA6eH15
16644          C2014 10 01.19762 00 45 15.81 +01 10 20.1          14.7 Rq~lA6bH15
59603          C2014 10 01.19762 00 47 43.40 +00 23 17.1          16.6 Rq~lAByH15
M1429          C2014 10 01.19762 00 48 01.41 +01 11 34.7          19.5 Rq~lAPsH15
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C6682	C2014 10 01.19987 00 51 16.25 +02 49 27.9	18.1	Rq~lAIoH15	65057	C2014 10 01.20549 00 44 13.01 +01 06 50.3	17.9	Rq~lACXH15
88847	C2014 10 01.19987 00 50 07.35 +02 59 37.4	18.4	Rq~lAFEH15	G7123	C2014 10 01.20549 00 40 27.63 +00 35 40.2	17.6	Rq~lAMIH15
25296	C2014 10 01.19987 00 45 43.58 +02 50 32.0	16.4	Rq~lA7nH15	O6975	C2014 10 01.20549 00 38 19.13 +01 01 31.3	19.2	Rq~lAR5H15
W5443	C2014 10 01.19987 00 46 58.45 +03 02 42.3	19.0	Rq~lAVPH15	22846	C2014 10 01.20549 00 45 13.52 +00 16 24.3	17.4	Rq~lA7UH15
09789	C2014 10 01.19987 00 46 11.77 +03 21 05.9	16.4	Rq~lA5YH15	61170	C2014 10 01.20549 00 44 11.16 +01 37 25.3	17.4	Rq~lAC8H15
00268	C2014 10 01.19987 00 51 18.93 +02 00 59.8	12.0	Rq~lA3xH15	K03U16C	C2014 10 01.20549 00 39 31.38 +01 00 18.0	17.5	Rq~l9x7H15
N7714	C2014 10 01.19987 00 47 22.65 +03 16 10.5	18.9	Rq~lAQkH15	A5307	C2014 10 01.20851 00 49 56.71 +00 12 04.0	19.1	Rq~lAGqH15
02489	C2014 10 01.19987 00 51 23.11 +03 25 52.4	15.7	Rq~lA4OH15	B3923	C2014 10 01.20851 00 44 58.01 +01 39 19.2	18.3	Rq~lAHhH15
V5461	C2014 10 01.19987 00 49 20.73 +02 35 20.5	19.6	Rq~lAUXH15	42983	C2014 10 01.20851 00 51 25.42 +01 44 21.8	18.9	Rq~lAA8H15
07982	C2014 10 01.19987 00 48 46.16 +03 18 14.4	17.5	Rq~lA5IH15	63651	C2014 10 01.20851 00 47 10.30 +00 18 27.4	16.0	Rq~lACOH15
31728	C2014 10 01.19987 00 49 03.34 +03 15 04.7	18.2	Rq~lA8eH15	63626	C2014 10 01.20851 00 47 24.31 +01 10 11.6	15.8	Rq~lACOH15
D1680	C2014 10 01.19987 00 49 43.85 +03 19 07.0	17.3	Rq~lAJJH15	29882	C2014 10 01.20851 00 47 31.23 +00 19 00.9	18.0	Rq~lA8PH15
09991	C2014 10 01.19987 00 46 50.33 +01 58 57.2	18.1	Rq~lA5aH15	12623	C2014 10 01.20851 00 50 13.57 +01 20 17.8	16.3	Rq~lA5zH15
A7698	C2014 10 01.19987 00 50 51.89 +01 50 56.3	19.6	Rq~lAH4H15	90150	C2014 10 01.20851 00 52 18.82 +00 23 22.7	19.5	Rq~lAFLH15
E7335	C2014 10 01.19987 00 49 17.61 +02 04 11.6	19.6	Rq~lAKfH15	16938	C2014 10 01.20851 00 51 08.04 +00 29 16.0	16.1	Rq~lA6eH15
17301	C2014 10 01.19987 00 45 48.67 +02 43 47.1	16.7	Rq~lA6hH15	B6590	C2014 10 01.20851 00 50 48.08 +01 28 54.0	18.8	Rq~lAHzH15
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07421	C2014 10 01.19987 00 48 08.67 +03 24 17.6	16.5	Rq~lA5CH15	21821	C2014 10 01.20851 00 47 26.23 +00 47 21.1	17.6	Rq~lA7LH15
14186	C2014 10 01.19987 00 50 06.34 +02 38 27.1	17.4	Rq~lA6DH15	57683	C2014 10 01.20851 00 50 01.24 +00 39 04.0	16.2	Rq~lABmH15
14640	C2014 10 01.19987 00 51 29.28 +01 56 39.4	16.4	Rq~lA6IH15	59603	C2014 10 01.20851 00 47 42.87 +00 23 12.2	16.7	Rq~lAByH15
20588	C2014 10 01.19987 00 47 41.85 +02 21 25.1	15.6	Rq~lA79H15	E3207	C2014 10 01.20851 00 50 43.53 +00 18 03.0	18.2	Rq~lAKJH15
36753	C2014 10 01.19987 00 49 44.57 +03 02 45.6	16.8	Rq~lA9IH15	M1429	C2014 10 01.20851 00 48 00.90 +01 11 32.7	18.7	Rq~lAPsH15
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92427	C2014 10 01.19987 00 45 54.22 +03 21 21.5	19.0	Rq~lAFaH15	P1312	C2014 10 01.20851 00 50 35.54 +00 24 21.7	17.1	Rq~lARPH15
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H3341	C2014 10 01.19987 00 45 30.38 +02 58 24.1	17.4	Rq~lAMpH15	16644	C2014 10 01.20851 00 45 15.31 +01 10 12.9	15.1	Rq~lA6bH15
J1443	C2014 10 01.19987 00 46 36.37 +03 12 33.6	18.5	Rq~lAOAH15	42853	C2014 10 01.20851 00 51 49.01 +00 57 58.1	18.5	Rq~lAA7H15
40887	C2014 10 01.19987 00 48 15.79 +02 00 30.0	18.9	Rq~lA9qH15	71822	C2014 10 01.20851 00 47 13.24 +01 13 21.8	18.2	Rq~lADWH15
15057	C2014 10 01.19987 00 46 13.08 +02 52 17.7	18.1	Rq~lA6LH15	K14OT7W	C2014 10 01.20851 00 46 51.30 +01 42 15.7	19.2	Rq~lA0IH15
66182	C2014 10 01.19987 00 46 34.47 +02 01 00.7	18.4	Rq~lACgH15	C6682	C2014 10 01.21073 00 51 15.71 +02 49 25.7	18.6	Rq~lAIoH15
I2438	C2014 10 01.19987 00 51 25.30 +03 26 31.6	20.6	Rq~lANTH15	53911	C2014 10 01.21073 00 48 46.35 +02 54 08.9	18.1	Rq~lABNH15
J3806	C2014 10 01.19987 00 48 25.57 +02 17 17.9	18.4	Rq~lAOIH15	25296	C2014 10 01.21073 00 45 43.10 +02 50 29.2	16.9	Rq~lA7nH15
00757	C2014 10 01.19987 00 49 34.23 +01 49 15.9	10.9	Rq~lA44H15	88847	C2014 10 01.21073 00 50 06.76 +02 59 34.2	18.5	Rq~lAFEH15
24662	C2014 10 01.19987 00 51 24.54 +03 23 39.8	17.4	Rq~lA7iH15	69798	C2014 10 01.21073 00 46 42.96 +02 48 36.1	17.3	Rq~lADBH15
53911	C2014 10 01.19987 00 48 47.05 +02 54 12.1	17.9	Rq~lABNH15	14186	C2014 10 01.21073 00 50 05.84 +02 38 24.5	17.4	Rq~lA6DH15
60121	C2014 10 01.19987 00 45 54.17 +03 02 30.2	18.7	Rq~lAC0H15	09789	C2014 10 01.21073 00 46 11.30 +03 21 03.2	16.4	Rq~lA5YH15
69798	C2014 10 01.19987 00 46 43.42 +02 48 40.8	18.0	Rq~lADBH15	00268	C2014 10 01.21073 00 51 18.46 +02 00 56.7	11.7	Rq~lA3xH15
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K14SS7Q	C2014 10 01.19987 00 49 17.19 +01 49 06.7	19.8	Rq~lA2iH15	K14SB5U	C2014 10 01.21073 00 46 46.13 +03 23 20.5	19.4	Rq~lA1iH15
S8927	C2014 10 01.20218 00 50 54.64 +05 06 06.2	19.9	Rq~lATPH15	D1680	C2014 10 01.21073 00 49 43.25 +03 19 02.9	17.8	Rq~lAJJH15
29639	C2014 10 01.20218 00 50 54.06 +04 38 54.2	16.1	Rq~lA8NH15	02489	C2014 10 01.21073 00 51 22.60 +03 25 49.5	15.6	Rq~lA4OH15
D4668	C2014 10 01.20218 00 45 41.76 +05 01 21.9	19.5	Rq~lAJfH15	V5461	C2014 10 01.21073 00 49 20.10 +02 35 18.3	18.7	Rq~lAUXH15
K14QW5F	C2014 10 01.20218 00 47 36.49 +04 16 05.9	19.0	Rq~lA0mH15	L0763	C2014 10 01.21073 00 49 50.24 +02 11 00.7	17.9	Rq~lAP5H15
P6159	C2014 10 01.20218 00 48 19.67 +03 50 17.2	18.2	Rq~lARrH15	09991	C2014 10 01.21073 00 46 49.77 +01 58 54.1	17.9	Rq~lA5aH15
23157	C2014 10 01.20218 00 50 52.06 +04 53 20.9	15.9	Rq~lA7WH15	20588	C2014 10 01.21073 00 47 41.28 +02 21 22.8	15.5	Rq~lA79H15
M0802	C2014 10 01.20218 00 51 37.17 +04 26 14.5	19.0	Rq~lAPpH15	E7335	C2014 10 01.21073 00 49 16.98 +02 04 08.9	19.9	Rq~lAKfH15
00450	C2014 10 01.20218 00 47 21.25 +03 55 22.2	11.9	Rq~lA3zH15	F6384	C2014 10 01.21073 00 48 26.58 +02 09 21.2	19.4	Rq~lALOH15
15200	C2014 10 01.20218 00 50 54.69 +04 09 16.8	16.3	Rq~lA6MH15	02505	C2014 10 01.21073 00 48 36.02 +02 45 07.6	14.9	Rq~lA4OH15
76107	C2014 10 01.20218 00 48 57.52 +05 00 49.6	18.4	Rq~lAE6H15	W5443	C2014 10 01.21073 00 46 57.88 +03 02 36.3	19.0	Rq~lAVPH15
88566	C2014 10 01.20218 00 47 25.45 +05 08 42.5	17.3	Rq~lAFCH15	24484	C2014 10 01.21073 00 48 09.68 +02 21 53.7	19.0	Rq~lA7gH15
K14SV1W	C2014 10 01.20218 00 51 23.02 +03 51 50.0	18.9	Rq~lA38H15	36753	C2014 10 01.21073 00 49 43.98 +03 02 40.2	17.0	Rq~lA9IH15
I3576	C2014 10 01.20218 00 48 22.97 +04 03 27.2	16.2	Rq~lANaH15	40887	C2014 10 01.21073 00 48 15.28 +02 00 27.5	19.6	Rq~lA9qH15
E3367	C2014 10 01.20218 00 50 15.68 +03 38 57.7	18.1	Rq~lAKLH15	A7698	C2014 10 01.21073 00 50 51.41 +01 50 53.0	19.5	Rq~lAH4H15
M5015	C2014 10 01.20218 00 49 07.36 +04 00 46.5	18.7	Rq~lAQBH15	54078	C2014 10 01.21073 00 46 48.38 +02 29 52.1	17.6	Rq~lABOH15
04359	C2014 10 01.20218 00 45 55.65 +04 08 54.3	13.2	Rq~lA4iH15	60121	C2014 10 01.21073 00 45 53.67 +03 02 24.8	18.9	Rq~lAC0H15
05400	C2014 10 01.20218 00 48 38.87 +04 57 49.9	15.8	Rq~lA4tH15	92427	C2014 10 01.21073 00 45 53.48 +03 21 16.5	19.2	Rq~lAFaH15
77107	C2014 10 01.20218 00 48 03.85 +03 37 06.3	19.2	Rq~lAEBH15	C1296	C2014 10 01.21073 00 51 34.43 +02 17 48.7	18.5	Rq~lAINH15
A8794	C2014 10 01.20218 00 49 33.55 +03 59 55.6	18.6	Rq~lAHAH15	K14SS7Q	C2014 10 01.21073 00 49 16.49 +01 49 08.7	19.0	Rq~lA2iH15
F4143	C2014 10 01.20218 00 50 29.71 +03 43 17.4	18.8	Rq~lALEH15	H1277	C2014 10 01.21073 00 48 28.56 +02 19 53.6	19.6	Rq~lAMeH15
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e2999	C2014 10 01.20218 00 50 34.81 +04 16 30.0	18.1	Rq~lAXHH15	15057	C2014 10 01.21073 00 46 12.57 +02 52 14.3	17.9	Rq~lA6LH15
56166	C2014 10 01.20218 00 45 18.29 +04 13 36.6	17.9	Rq~lABcH15	17301	C2014 10 01.21073 00 45 48.05 +02 43 44.8	16.8	Rq~lA6hH15
60905	C2014 10 01.20218 00 48 36.60 +03 57 05.6	18.2	Rq~lAC6H15	66182	C2014 10 01.21073 00 46 33.86 +02 00 57.8	18.1	Rq~lACgH15
61798	C2014 10 01.20218 00 46 27.14 +04 14 39.4	17.8	Rq~lACEH15	I2438	C2014 10 01.21073 00 51 24.79 +03 26 29.3	19.8	Rq~lANTH15
92319	C2014 10 01.20218 00 50 42.55 +04 13 37.6	18.9	Rq~lAFZH15	J3806	C2014 10 01.21073 00 48 24.85 +02 17 15.0	18.4	Rq~lAOIH15
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93826	C2014 10 01.20218 00 47 57.63 +04 13 49.5	18.1	Rq~lAFeH15	07982	C2014 10 01.21073 00 48 45.52 +03 18 09.9	17.5	Rq~lA5IH15
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B3923	C2014 10 01.20549 00 44 58.25 +01 39 20.1	17.9	Rq~lAHhH15	61625	C2014 10 01.21073 00 48 11.84 +02 35 25.8	17.6	Rq~lACCH15
92167	C2014 10 01.20549 00 40 00.35 +01 32 23.7	16.9	Rq~lAFXH15	S8927	C2014 10 01.21300 00 50 54.22 +05 06 01.5	19.2	Rq~lATPH15
43762	C2014 10 01.20549 00 44 42.19 +01 31 08.2	16.8	Rq~lAAFH15	00450	C2014 10 01.21300 00 47 20.65 +03 55 21.3	12.3	Rq~lA3zH15
44747	C2014 10 01.20549 00 42 31.82 +00 24 22.9	17.8	Rq~lAALH15	P6159	C2014 10 01.21300 00 48 19.03 +03 50 14.7	18.9	Rq~lARrH15
13204	C2014 10 01.20549 00 38 48.34 +01 04 59.6	16.8	Rq~lA64H15	29639	C2014 10 01.21300 00 50 53.38 +04 38 52.3	16.8	Rq~lA8NH15
13031	C2014 10 01.20549 00 41 36.16 +00 44 33.1	16.8	Rq~lA63H15	D4668	C2014 10 01.21300 00 45 41.12 +05 01 18.2	18.3	Rq~lAJfH15
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20557	C2014 10 01.20549 00 43 24.02 +00 09 51.6	16.3	Rq~lA79H15	I3576	C2014 10 01.21300 00 48 22.37 +04 03 26.0	16.5	Rq~lANaH15
W2213	C2014 10 01.20549 00 43 02.04 +00 49 22.7	19.2	Rq~lAV6H15	07311	C2014 10 01.21300 00 48 50.17 +04 25 16.9	16.4	Rq~lA5BH15
G0775	C2014 10 01.20549 00 41 02.58 +01 22 57.1	18.4	Rq~lALkH15	15200	C2014 10 01.21300 00 50 54.24 +04 09 12.1	16.8	Rq~lA6MH15
P6037	C2014 10 01.20549 00 43 58.29 +00 21 25.2	19.0	Rq~lARpH15	E3367	C2014 10 01.21300 00 50 15.18 +03 38 51.1	18.3	Rq~lAKLH15
04728	C2014 10 01.20549 00 38 53.63 +00 49 15.4	14.9	Rq~lA4nH15	F4143	C2014 10 01.21300 00 50 29.15 +03 43 15.2	18.6	Rq~lALEH15
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00470	C2014 10 01.20549 00 39 46.85 +00 49 58.0	11.6	Rq~lA4OH15	92319	C2014 10 01.21300 00 50 42.00 +04 13 30.1	17.9	Rq~lAFZH15
14561	C2014 10 01.20549 00 40 00.64 +01 08 27.8	16.6	Rq~lA6HH15	A8794	C2014 10 01.21300 00 49 33.04 +03 59 51.2	18.2	Rq~lAHAH15
23165	C2014 10 01.20549 00 43 18.32 +01 22 09.0	17.5	Rq~lA7WH15	K14QW5F	C2014 10 01.21300 00 47 35.95 +04 16 03.8	19.0	Rq~lA0mH15
24326	C2014 10 01.20549 00 42 49.02 +00 43 36.2	17.1	Rq~lA7fH15	L6809	C2014 10 01.21300 00 45 32.87 +04 34 09.7	19.4	Rq~lAPVH15
71339	C2014 10 01.20549 00 45 12.90 +00 07 54.0	17.4	Rq~lADQH15	e2999	C2014 10 01.21300 00 50 34.21 +04 16 27.3	18.9	Rq~lAXHH15
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71646	C2014 10 01.20549 00 40 41.33 +00 11 27.0	18.5	Rq~lADUH15	88566	C2014 10 01.21300 00 47 24.80 +05 08 41.1	17.8	Rq~lAFCH15
A0023	C2014 10 01.20549 00 42 55.82 +00 30 57.5	17.0	Rq~lAGNH15	10992	C2014 10 01.21300 00 50 57.44 +04 51 06.0	15.4	Rq~lA5kH15
G2488	C2014 10 01.20549 00 43 10.66 +00 37 19.2	17.3	Rq~lALrH15	76107	C2014 10 01.21300 00 48 56.87 +05 00 49.2	18.0	Rq~lAE6H15
Z7589	C2014 10 01.20549 00 38 40.96 +01 32 01.3	18.3	Rq~lAW7H15	e7056	C2014 10 01.21300 00 49 01.13 +03 47 10.9	18.8	Rq~lAXgH15
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77107          C2014 10 01.21300 00 48 03.18 +03 37 01.9          18.5 Rq~lAEBH15
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A6698          C2014 10 01.21522 00 48 00.99 +05 50 47.4          20.1 Rq~lAGwH15
93840          C2014 10 01.21522 00 49 13.57 +05 17 12.7          18.9 Rq~lAFeH15
45639          C2014 10 01.21522 00 46 52.44 +05 55 58.0          17.0 Rq~lAATH15
57327          C2014 10 01.21522 00 48 41.86 +05 53 19.2          18.7 Rq~lABkH15
20615          C2014 10 01.21522 00 50 49.24 +06 31 23.9          16.6 Rq~lA7AH15
A7518          C2014 10 01.21522 00 49 36.69 +05 33 49.7          17.7 Rq~lAH3H15
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E6098	C2014 10 01.26123 00 50 09.99 +21 28 09.2	17.1 Rq~lAKXH15
L6916	C2014 10 01.26123 00 52 26.81 +20 57 26.6	18.2 Rq~lAPWH15
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f0966K09T07K	C2014 10 01.26123 00 46 09.74 +21 43 16.1	17.9 Rq~l9yeH15
K00SU3O	C2014 10 01.26123 00 45 59.46 +21 13 01.5	18.1 Rq~l9wmH15
69972	C2014 10 01.26123 00 51 23.68 +21 33 41.8	17.7 Rq~lADDH15
J1492	C2014 10 01.26123 00 46 45.89 +21 39 23.1	18.6 Rq~lAOBH15
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H7017	C2014 10 01.26123 00 50 41.51 +22 16 41.0	19.0 Rq~lAN4H15
47092	C2014 10 01.26348 00 52 24.18 +23 50 47.3	17.5 Rq~lAAfH15
84672	C2014 10 01.26348 00 45 44.35 +23 25 23.5	16.9 Rq~lAErH15
O9562	C2014 10 01.26348 00 47 53.76 +23 45 22.5	18.0 Rq~lARFH15
K13L20P	C2014 10 01.26348 00 46 05.48 +23 35 31.5	19.8 Rq~l9zqH15
J2572	C2014 10 01.26348 00 47 04.87 +22 44 24.5	18.6 Rq~lAOGH15
I3426	C2014 10 01.26348 00 47 50.11 +23 56 51.5	19.5 Rq~lANYH15
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62143	C2014 10 01.26348 00 49 09.26 +22 49 09.8	18.2 Rq~lACGH15
66210	C2014 10 01.26348 00 47 01.57 +22 45 53.1	16.1 Rq~lACgH15
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A4962	C2014 10 01.26683 00 39 19.62 +21 58 31.3	18.6 Rq~lAGoH15
a3422	C2014 10 01.26683 00 41 34.14 +21 31 29.6	18.0 Rq~lAWSH15
I3465	C2014 10 01.26683 00 44 33.10 +20 58 28.5	19.5 Rq~lANZH15
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M8904	C2014 10 01.26916 00 48 18.82 +19 10 37.8	18.3 Rq~lAQRH15
a7249	C2014 10 01.26916 00 47 05.37 +19 18 38.0	18.3 Rq~lAWlH15
60556	C2014 10 01.26916 00 52 24.81 +19 06 21.5	17.8 Rq~lAC3H15
D8481	C2014 10 01.26916 00 50 50.04 +19 45 02.7	16.4 Rq~lAJyH15
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W6445	C2014 10 01.26916 00 49 21.47 +19 00 49.4	18.3 Rq~lAVWH15
56701	C2014 10 01.26916 00 51 25.56 +18 57 28.7	17.7 Rq~lABgH15
C8772	C2014 10 01.26916 00 47 33.60 +20 34 11.0	17.3 Rq~lAJ1H15
D7144	C2014 10 01.26916 00 49 20.12 +19 49 23.0	18.6 Rq~lAJqH15
P8397	C2014 10 01.26916 00 45 00.16 +20 07 23.2	17.5 Rq~lAS6H15
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C6307	C2014 10 01.26916 00 47 05.99 +19 50 51.3	19.4 Rq~lAInH15
F9810	C2014 10 01.26916 00 51 08.05 +19 28 03.9	18.9 Rq~lALfH15
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20675	C2014 10 01.27138 00 45 50.14 +21 14 35.9	15.6 Rq~lA7AH15
70599	C2014 10 01.27138 00 45 03.84 +21 16 40.5	17.7 Rq~lADLH15
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E6098	C2014 10 01.27138 00 50 09.36 +21 28 09.9	17.2 Rq~lAKXH15
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H7017	C2014 10 01.27138 00 50 40.97 +22 16 39.3	19.2 Rq~lAN4H15
K12D38P	C2014 10 01.27138 00 49 22.86 +22 03 32.9	19.1 Rq~l9zSH15
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O9562	C2014 10 01.27372 00 47 52.94 +23 45 24.1	17.8 Rq~lARFH15
84672	C2014 10 01.27372 00 45 43.83 +23 25 18.3	16.9 Rq~lAErH15
I8178	C2014 10 01.27372 00 52 05.50 +23 28 43.2	18.8 Rq~lANvH15
66210	C2014 10 01.27372 00 47 00.91 +22 45 52.6	16.1 Rq~lACgH15
I3426	C2014 10 01.27372 00 47 49.60 +23 56 49.6	18.6 Rq~lANYH15
P9223	C2014 10 01.27372 00 47 17.31 +22 45 23.9	18.0 Rq~lASAH15
J2572	C2014 10 01.27372 00 47 04.33 +22 44 21.0	19.6 Rq~lAOGH15
62143	C2014 10 01.27372 00 49 08.76 +22 49 06.6	18.2 Rq~lACGH15
f1983K12J03D	C2014 10 01.27372 00 48 57.82 +23 44 41.6	18.4 Rq~l9zbH15
K13L20P	C2014 10 01.27372 00 46 04.93 +23 35 28.5	19.7 Rq~l9zqH15
K14Qc6P	C2014 10 01.27372 00 47 45.58 +23 34 03.0	19.1 Rq~lAl0H15
Q0688	C2014 10 01.27707 00 39 19.81 +22 19 30.0	20.4 Rq~lASHH15
03371	C2014 10 01.27707 00 43 47.19 +20 53 16.6	15.2 Rq~lA4XH15
A4962	C2014 10 01.27707 00 39 19.10 +21 58 26.5	19.0 Rq~lAGoH15
a3422	C2014 10 01.27707 00 41 33.71 +21 31 26.0	18.3 Rq~lAWSH15
I3465	C2014 10 01.27707 00 44 32.50 +20 58 27.4	19.4 Rq~lANZH15
J1189	C2014 10 01.27707 00 38 24.10 +21 38 40.6	18.0 Rq~lAO8H15
P8397	C2014 10 01.27936 00 44 59.61 +20 07 22.0	17.9 Rq~lAS6H15
M8904	C2014 10 01.27936 00 48 18.33 +19 10 35.9	18.1 Rq~lAQRH15
72762	C2014 10 01.27936 00 47 17.16 +19 26 31.0	18.5 Rq~lADhH15
D8481	C2014 10 01.27936 00 50 49.63 +19 44 56.1	16.4 Rq~lAJyH15
F9810	C2014 10 01.27936 00 51 07.60 +19 28 01.0	18.2 Rq~lALfH15
35548	C2014 10 01.27936 00 46 10.98 +19 23 05.9	16.7 Rq~lA97H15
56701	C2014 10 01.27936 00 51 24.99 +18 57 26.6	17.5 Rq~lABgH15
C8772	C2014 10 01.27936 00 47 32.92 +20 34 09.3	17.3 Rq~lAJ1H15
D7144	C2014 10 01.27936 00 49 19.59 +19 49 20.2	19.1 Rq~lAJqH15
R2877	C2014 10 01.27936 00 49 37.51 +20 22 17.2	19.0 Rq~lASvH15
W6445	C2014 10 01.27936 00 49 20.96 +19 00 47.1	18.9 Rq~lAVWH15
H7293	C2014 10 01.27936 00 47 19.13 +19 35 05.2	18.7 Rq~lAN5H15

05227	C2014 10 01.27936 00 48 17.24 +20 23 29.2	15.1 Rq~lA4sH15
a7249	C2014 10 01.27936 00 47 04.86 +19 18 35.5	18.7 Rq~lAW1H15
60556	C2014 10 01.27936 00 52 24.16 +19 06 20.8	17.5 Rq~lAC3H15
K09W09Z	C2014 10 01.27936 00 49 24.81 +20 15 04.8	18.7 Rq~l9ylH15
C6307	C2014 10 01.27936 00 47 05.51 +19 50 49.3	18.9 Rq~lAInH15
C6937	C2014 10 01.28162 00 46 03.96 +21 55 53.8	19.0 Rq~lAIpH15
15201	C2014 10 01.28162 00 46 42.47 +21 00 14.0	15.3 Rq~lA6MH15
H2436	C2014 10 01.28162 00 51 18.59 +21 17 19.2	18.3 Rq~lAMjH15
20675	C2014 10 01.28162 00 45 49.67 +21 14 31.5	15.7 Rq~lA7AH15
e7625	C2014 10 01.28162 00 45 46.71 +21 00 50.8	18.6 Rq~lAXmH15
70599	C2014 10 01.28162 00 45 03.26 +21 16 40.6	18.2 Rq~lADLH15
H7017	C2014 10 01.28162 00 50 40.40 +22 16 36.2	19.7 Rq~lAN4H15
J1492	C2014 10 01.28162 00 46 44.82 +21 39 19.4	18.3 Rq~lAOBH15
L6916	C2014 10 01.28162 00 52 25.87 +20 57 15.9	17.5 Rq~lAPWH15
E6098	C2014 10 01.28162 00 50 08.71 +21 28 10.0	17.3 Rq~lAKXH15
e8842K01RF4L	C2014 10 01.28162 00 48 33.55 +21 43 33.9	18.3 Rq~l9wqH15
K00SU3O	C2014 10 01.28162 00 45 58.40 +21 13 03.6	17.8 Rq~l9wmH15
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f0966K09T07K	C2014 10 01.28162 00 46 08.94 +21 43 02.7	18.4 Rq~l9yeH15
69972	C2014 10 01.28162 00 51 22.70 +21 33 37.0	17.7 Rq~lADDH15
K12D38P	C2014 10 01.28162 00 49 22.02 +22 03 33.7	19.4 Rq~l9zSH15
K14Qc6R	C2014 10 01.28162 00 48 51.62 +21 41 02.5	19.1 Rq~lA10H15
Z7663	C2014 10 01.28162 00 49 46.28 +20 55 15.7	18.9 Rq~lAW7H15
47092	C2014 10 01.28391 00 52 23.05 +23 50 42.8	17.7 Rq~lAAfH15
84672	C2014 10 01.28391 00 45 43.36 +23 25 12.9	16.9 Rq~lAErH15
I8178	C2014 10 01.28391 00 52 05.06 +23 28 37.6	18.4 Rq~lANvH15
O9562	C2014 10 01.28391 00 47 52.18 +23 45 26.4	17.6 Rq~lARFH15
66210	C2014 10 01.28391 00 47 00.27 +22 45 52.0	16.1 Rq~lACgH15
K13L20P	C2014 10 01.28391 00 46 04.37 +23 35 23.5	19.9 Rq~l9zqH15
P9223	C2014 10 01.28391 00 47 16.82 +22 45 19.1	17.8 Rq~lASAH15
J2572	C2014 10 01.28391 00 47 03.99 +22 44 16.5	18.8 Rq~lAOGH15
62143	C2014 10 01.28391 00 49 08.19 +22 49 04.0	17.9 Rq~lACGH15
K14Qc6P	C2014 10 01.28391 00 47 44.87 +23 34 03.3	18.4 Rq~lA10H15
f1983K12J03D	C2014 10 01.28391 00 48 57.31 +23 44 37.2	19.0 Rq~l9zbH15
03371	C2014 10 01.28728 00 43 46.64 +20 53 14.3	15.1 Rq~lA4XH15
a3422	C2014 10 01.28728 00 41 33.23 +21 31 21.6	18.4 Rq~lAWSH15
Q0688	C2014 10 01.28728 00 39 19.26 +22 19 23.8	19.6 Rq~lASHH15
I3465	C2014 10 01.28728 00 44 31.95 +20 58 26.3	19.1 Rq~lANZH15
J1189	C2014 10 01.28728 00 38 23.61 +21 38 37.2	18.0 Rq~lAO8H15
72762	C2014 10 01.28957 00 47 16.68 +19 26 29.1	18.4 Rq~lADhH15
P8397	C2014 10 01.28957 00 44 58.94 +20 07 20.5	17.9 Rq~lAS6H15
a7249	C2014 10 01.28957 00 47 04.40 +19 18 33.0	19.1 Rq~lAW1H15
M8904	C2014 10 01.28957 00 48 17.84 +19 10 33.3	18.5 Rq~lAQRH15
35548	C2014 10 01.28957 00 46 10.35 +19 23 05.6	16.6 Rq~lA97H15
56701	C2014 10 01.28957 00 51 24.43 +18 57 24.5	17.7 Rq~lABgH15
F9810	C2014 10 01.28957 00 51 07.08 +19 27 57.5	18.9 Rq~lALfH15
D7144	C2014 10 01.28957 00 49 18.93 +19 49 16.2	18.9 Rq~lAJqH15
H7293	C2014 10 01.28957 00 47 18.48 +19 35 06.0	18.8 Rq~lAN5H15
R2877	C2014 10 01.28957 00 49 36.90 +20 22 16.2	19.2 Rq~lASvH15
W6445	C2014 10 01.28957 00 49 20.42 +19 00 44.2	18.8 Rq~lAVWH15
05227	C2014 10 01.28957 00 48 16.65 +20 23 24.4	15.0 Rq~lA4sH15
60556	C2014 10 01.28957 00 52 23.43 +19 06 20.3	17.3 Rq~lAC3H15
K09W09Z	C2014 10 01.28957 00 49 24.36 +20 14 59.5	19.1 Rq~l9ylH15
15201	C2014 10 01.29183 00 46 42.00 +21 00 08.9	15.4 Rq~lA6MH15
C6937	C2014 10 01.29183 00 46 03.44 +21 55 51.3	19.3 Rq~lAIpH15
e7625	C2014 10 01.29183 00 45 46.15 +21 00 49.7	18.8 Rq~lAXmH15
20675	C2014 10 01.29183 00 45 49.20 +21 14 27.0	15.8 Rq~lA7AH15
69972	C2014 10 01.29183 00 51 22.22 +21 33 34.6	17.7 Rq~lADDH15
70599	C2014 10 01.29183 00 45 02.70 +21 16 40.3	18.2 Rq~lADLH15
H2436	C2014 10 01.29183 00 51 17.92 +21 17 17.6	18.6 Rq~lAMjH15
H7017	C2014 10 01.29183 00 50 39.83 +22 16 33.5	18.8 Rq~lAN4H15
J1492	C2014 10 01.29183 00 46 44.24 +21 39 18.7	18.8 Rq~lAOBH15
L6916	C2014 10 01.29183 00 52 25.42 +20 57 10.4	17.8 Rq~lAPWH15
E6098	C2014 10 01.29183 00 50 08.09 +21 28 10.6	17.5 Rq~lAKXH15
f0966K09T07K	C2014 10 01.29183 00 46 08.53 +21 42 56.5	18.2 Rq~l9yeH15
e8842K01RF4L	C2014 10 01.29183 00 48 33.03 +21 43 29.9	18.1 Rq~l9wqH15
e8917K01X32W	C2014 10 01.29183 00 47 07.75 +21 02 10.0	19.0 Rq~l9wvH15
K12D38P	C2014 10 01.29183 00 49 21.24 +22 03 35.2	19.6 Rq~l9zSH15
K00SU3O	C2014 10 01.29183 00 45 57.84 +21 13 03.6	18.5 Rq~l9wmH15
K14Qc6R	C2014 10 01.29183 00 48 50.98 +21 41 00.6	19.4 Rq~lA10H15
Z7663	C2014 10 01.29183 00 49 45.72 +20 55 04.5	19.0 Rq~lAW7H15
47092	C2014 10 01.29405 00 52 22.49 +23 50 40.1	17.5 Rq~lAAfH15
84672	C2014 10 01.29405 00 45 42.88 +23 25 07.9	16.8 Rq~lAErH15
I8178	C2014 10 01.29405 00 52 04.56 +23 28 32.0	18.4 Rq~lANvH15
O9562	C2014 10 01.29405 00 47 51.45 +23 45 28.5	17.9 Rq~lARFH15
66210	C2014 10 01.29405 00 46 59.63 +22 45 51.4	16.2 Rq~lACgH15
I3426	C2014 10 01.29405 00 47 48.49 +23 56 44.0	19.5 Rq~lANYH15
P9223	C2014 10 01.29405 00 47 16.31 +22 45 15.4	18.2 Rq~lASAH15
J2572	C2014 10 01.29405 00 47 03.50 +22 44 12.6	19.7 Rq~lAOGH15
62143	C2014 10 01.29405 00 49 07.69 +22 49 01.0	17.9 Rq~lACGH15
f1983K12J03D	C2014 10 01.29405 00 48 56.88 +23 44 31.3	19.2 Rq~l9zbH15
K13L20P	C2014 10 01.29405 00 46 03.90 +23 35 19.9	19.4 Rq~l9zqH15
K14Qc6P	C2014 10 01.29405 00 47 44.31 +23 34 03.8	18.4 Rq~lA10H15
32564	C2014 10 01.29633 00 55 20.66 +20 12 48.2	16.5 Rq~lA8kH15
T6746	C2014 10 01.29633 00 58 42.30 +19 08 31.7	19.5 Rq~lATkH15
A9285	C2014 10 01.29633 00 57 32.51 +19 30 15.5	16.6 Rq~lAHCH15
T6825	C2014 10 01.29633 00 57 59.32 +20 11 32.7	18.8 Rq~lAT1H15
15706	C2014 10 01.29633 00 55 46.07 +18 58 40.0	15.5 Rq~lA6RH15
68214	C2014 10 01.29633 00 58 43.05 +19 11 20.5	18.2 Rq~lACwH15
H9212	C2014 10 01.29633 00 59 22.76 +19 27 26.9	18.3 Rq~lANFH15
97387	C2014 10 01.29633 00 55 25.02 +20 13 11.3	17.4 Rq~lAG1H15
82537	C2014 10 01.29633 00 55 54.02 +20 04 40.2	17.5 Rq~lAEhH15
G1738	C2014 10 01.29633 00 59 27.34 +19 10 38.3	16.9 Rq~lALoH15
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81549	C2014 10 01.29954 00 59 38.53 +06 47 26.7	15.8 Rq~lAEaH15
06818	C2014 10 01.29954 01 00 05.10 +05 32 31.6	15.7 Rq~lA57H15
B9822	C2014 10 01.29954 01 05 43.02 +05 48 08.4	19.5 Rq~lAIGH15
L2104	C2014 10 01.29954 01 03 11.08 +05 28 43.4	19.5 Rq~lAPBH15
03668	C2014 10 01.29954 00 59 23.80 +06 29 00.8	15.2 Rq~lA4aH15
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68857	C2014 10 01.29954 01 03 19.12 +06 12 38.7	18.8 Rq~lAD2H15
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K4833	C2014 10 01.29954 01 01 03.87 +06 20 43.2	18.3 Rq~lAOiH15
18379	C2014 10 01.29954 01 03 50.12 +06 59 14.1	16.0 Rq~lA6sH15
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47077	C2014 10 01.29954 01 02 35.60 +06 40 49.2	16.3 Rq~lAAfH15
50117	C2014 10 01.29954 01 01 17.27 +05 49 07.1	16.9 Rq~lAAyH15
54968	C2014 10 01.29954 01 04 56.50 +05 26 28.1	16.5 Rq~lABVH15
55187	C2014 10 01.29954 01 02 47.44 +06 19 04.4	16.7 Rq~lABWH15
58993	C2014 10 01.29954 01 03 11.58 +05 51 24.7	16.3 Rq~lABuH15
71547	C2014 10 01.29954 01 04 08.52 +06 09 59.9	16.9 Rq~lADTH15
85035	C2014 10 01.29954 01 00 41.41 +05 33 58.4	17.0 Rq~lAEtH15
M2877	C2014 10 01.29954 01 00 51.74 +05 36 02.6	18.9 Rq~lAPzH15
35538	C2014 10 01.30181 01 05 04.14 +02 24 18.3	18.1 Rq~lA97H15
00116	C2014 10 01.30181 01 03 31.44 +02 20 50.7	9.7 Rq~lA3uH15
29724	C2014 10 01.30181 01 00 57.62 +01 54 22.2	17.5 Rq~lA8NH15
88618	C2014 10 01.30181 01 00 56.23 +02 31 21.6	17.8 Rq~lAFCH15
C4001	C2014 10 01.30181 01 02 40.18 +01 59 41.2	19.2 Rq~lAIdH15
B9680	C2014 10 01.30181 01 02 47.92 +02 54 36.1	19.1 Rq~lAIFH15
C5878	C2014 10 01.30181 00 59 19.24 +02 52 07.3	19.4 Rq~lAImH15
01544	C2014 10 01.30181 01 03 41.69 +01 50 47.1	13.1 Rq~lA4DH15
31418	C2014 10 01.30181 00 59 49.67 +03 10 34.2	17.2 Rq~lA8aH15
T0353	C2014 10 01.30181 01 00 31.17 +02 48 16.3	19.4 Rq~lATTH15
W1535	C2014 10 01.30181 01 01 27.55 +03 29 03.7	19.9 Rq~lAV2H15
J1457	C2014 10 01.30181 01 04 54.57 +02 31 59.6	19.2 Rq~lAOBH15
34687	C2014 10 01.30181 01 05 36.78 +01 50 23.1	18.1 Rq~lA91H15
39603	C2014 10 01.30181 01 00 30.23 +02 05 29.4	18.1 Rq~lA9eH15
43099	C2014 10 01.30181 01 03 45.88 +02 59 37.4	16.9 Rq~lAA9H15
46471	C2014 10 01.30181 00 59 57.49 +02 42 32.1	16.3 Rq~lAAbH15
72766	C2014 10 01.30181 01 03 33.69 +01 57 58.3	18.4 Rq~lADhH15
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D9424	C2014 10 02.13778 00 04 54.86 -07 13 39.8	17.7 Rq~lAK1H15	
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29863	C2014 10 02.13778 00 06 11.50 -07 00 38.9	15.9 Rq~lA8PH15	
29440	C2014 10 02.13778 00 05 42.34 -07 57 12.3	17.3 Rq~lA8LH15	
86475	C2014 10 02.13778 00 07 49.23 -07 11 55.6	16.4 Rq~lAFOH15	
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K7865	C2014 10 02.13778 00 01 05.03 -06 41 10.8	18.9 Rq~lAOuH15	
18167	C2014 10 02.13778 00 05 56.76 -07 53 50.1	17.2 Rq~lA6qH15	
G9602	C2014 10 02.13778 00 03 34.33 -07 35 01.5	18.7 Rq~lAMVH15	
L9118	C2014 10 02.13778 00 02 28.81 -07 23 19.1	17.7 Rq~lAPgH15	
L9500	C2014 10 02.13778 00 04 02.88 -06 33 35.2	19.3 Rq~lAPjH15	
Q4440	C2014 10 02.13778 00 06 28.67 -07 13 47.0	18.3 Rq~lASYH15	
S5623	C2014 10 02.13778 00 05 57.33 -07 17 51.0	18.3 Rq~lATEH15	
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77085	C2014 10 02.13999 00 04 55.24 -08 23 06.0	18.5 Rq~lAEBH15
98501	C2014 10 02.13999 00 06 24.28 -09 42 46.2	17.3 Rq~lAGCH15
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G2646	C2014 10 02.13999 00 06 36.96 -09 24 54.6	17.8 Rq~lALuH15
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40165	C2014 10 02.14799 00 07 01.40 -06 58 01.8	16.6 Rq~lA9jH15
29440	C2014 10 02.14799 00 05 41.72 -07 57 15.9	17.4 Rq~lA8LH15
86475	C2014 10 02.14799 00 07 48.70 -07 11 59.3	16.3 Rq~lAF0H15
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H4642	C2014 10 02.14799 00 03 15.10 -06 32 36.6	18.1 Rq~lAMuH15
29863	C2014 10 02.14799 00 06 11.02 -07 00 43.1	15.9 Rq~lA8PH15
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D9424	C2014 10 02.14799 00 04 54.30 -07 13 41.9	18.1 Rq~lAK1H15
I0188	C2014 10 02.14799 00 04 07.47 -06 58 39.3	17.7 Rq~lANJH15
E6778	C2014 10 02.14799 00 04 26.78 -07 38 47.7	18.7 Rq~lAKcH15
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60727	C2014 10 02.15824 00 06 56.12 -06 28 00.1	17.5 Rq~lAC4H15
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N5611	C2014 10 02.18424 00 04 30.56 -10 04 45.8	19.1 Rq~lAQhH15
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33333	C2014 10 02.18424 00 05 44.87 -11 05 14.9	16.6 Rq~lA8qH15
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51531	C2014 10 02.18424 00 06 12.56 -10 14 30.4	17.4 Rq~lAB7H15
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94021	C2014 10 02.19105 00 13 55.16 -07 22 06.6	18.0 Rq~lAFfH15
D4132	C2014 10 02.19105 00 13 02.62 -07 12 30.2	18.7 Rq~lAJbH15
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I1165	C2014 10 02.19105 00 08 45.15 -07 48 04.7	19.5 Rq~lANOH15
K5799	C2014 10 02.19105 00 13 53.12 -07 25 00.2	18.5 Rq~lAOmH15
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59309	C2014 10 02.19105 00 08 02.58 -07 34 54.0	17.9 Rq~lABwH15
d9307	C2014 10 02.19105 00 11 17.44 -07 37 20.3	17.1 Rq~lAX3H15
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91232	C2014 10 02.19105 00 12 26.34 -07 56 46.6	17.8 Rq~lAFQH15
F1209	C2014 10 02.19105 00 10 02.85 -06 50 27.0	18.5 Rq~lAKzH15
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13689	C2014 10 02.19439 00 04 40.06 -10 23 25.3	17.1 Rq~lA69H15
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12373	C2014 10 02.19439 00 01 22.03 -10 50 35.7	16.8 Rq~lA5wH15
23929	C2014 10 02.19667 00 02 49.57 -13 16 08.6	16.7 Rq~lA7cH15
C3562	C2014 10 02.19667 00 03 57.29 -11 54 47.1	19.2 Rq~lAIYH15
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V7614	C2014 10 02.19667 00 05 56.88 -13 04 19.3	19.5 Rq~lAUgH15
05594	C2014 10 02.19667 00 07 10.23 -11 57 16.5	15.7 Rq~lA4vH15
S3218	C2014 10 02.19667 00 04 28.31 -12 31 41.1	18.2 Rq~lATBH15
G5331	C2014 10 02.19667 00 04 14.06 -12 49 07.5	18.6 Rq~lAM8H15
69574	C2014 10 02.19900 00 10 11.35 -08 42 46.4	19.2 Rq~lAD8H15
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31510	C2014 10 02.19900 00 11 07.52 -09 23 45.6	17.0 Rq~lA8bH15
B0263	C2014 10 02.19900 00 08 54.67 -09 33 26.3	18.3 Rq~lAHKH15
T0652	C2014 10 02.19900 00 10 10.25 -08 48 41.5	19.2 Rq~lATVH15
K5623	C2014 10 02.19900 00 11 33.85 -09 57 23.6	17.9 Rq~lAO1H15
P2259	C2014 10 02.19900 00 09 37.27 -08 18 38.1	18.0 Rq~lARTH15
20755	C2014 10 02.19900 00 12 35.92 -09 56 19.1	15.7 Rq~lA7BH15
K14SI3G	C2014 10 02.19900 00 10 10.68 -09 01 40.1	19.3 Rq~lA1zH15
E3228	C2014 10 02.19900 00 09 12.78 -09 07 34.1	17.3 Rq~lAKKH15
V0497	C2014 10 02.19900 00 12 47.13 -09 09 06.2	17.7 Rq~lAU8H15
W2741	C2014 10 02.19900 00 12 47.46 -09 22 28.6	17.4 Rq~lAV8H15
58716	C2014 10 02.19900 00 14 20.93 -08 27 40.0	19.2 Rq~lABsH15
94160	C2014 10 02.19900 00 13 54.72 -09 45 30.6	18.2 Rq~lAFgH15
98158	C2014 10 02.19900 00 13 17.19 -09 14 36.9	17.6 Rq~lAG9H15
C7239	C2014 10 02.19900 00 12 24.96 -09 16 27.6	18.8 Rq~lAIrH15
30461	C2014 10 02.19900 00 12 30.25 -08 49 42.2	15.7 Rq~lA8UH15
D3226	C2014 10 02.19900 00 11 12.60 -08 21 26.9	18.6 Rq~lAJUH15
H6847	C2014 10 02.19900 00 08 25.62 -09 19 53.1	19.3 Rq~lAN3H15
J0593	C2014 10 02.19900 00 11 30.03 -09 02 50.5	19.2 Rq~lAO7H15
P8373	C2014 10 02.19900 00 11 16.19 -09 10 49.1	19.1 Rq~lAS6H15
37834	C2014 10 02.19900 00 12 04.00 -09 43 03.7	16.6 Rq~lA9QH15
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D4132	C2014 10 02.20122 00 13 02.01 -07 12 33.3	18.0 Rq~lAJbH15
77578	C2014 10 02.20122 00 12 26.70 -07 14 50.6	18.3 Rq~lAEDH15
56274	C2014 10 02.20122 00 10 56.32 -07 35 25.9	16.9 Rq~lABdH15
94021	C2014 10 02.20122 00 13 54.63 -07 22 08.4	18.0 Rq~lAFfH15
E7899	C2014 10 02.20122 00 12 35.15 -06 48 39.3	18.3 Rq~lAKiH15
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96003	C2014 10 02.20122 00 13 52.60 -07 08 38.3	17.3 Rq~lAFrH15
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07098	C2014 10 02.20122 00 11 58.51 -07 04 47.8	17.7 Rq~lA59H15
42528	C2014 10 02.20122 00 08 37.22 -07 24 58.7	18.5 Rq~lAA3H15
59309	C2014 10 02.20122 00 08 01.98 -07 34 57.6	18.8 Rq~lABwH15
89220	C2014 10 02.20122 00 12 57.93 -06 55 09.2	19.1 Rq~lAFHH15
91232	C2014 10 02.20122 00 12 25.69 -07 56 50.6	17.8 Rq~lAFQH15
B6929	C2014 10 02.20122 00 11 23.98 -07 08 49.5	17.6 Rq~lAI0H15
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K5799	C2014 10 02.20122 00 13 52.68 -07 25 04.2	17.8 Rq~lAOmH15
20332	C2014 10 02.20122 00 14 50.49 -07 25 09.5	17.4 Rq~lA77H15
Q5046	C2014 10 02.20122 00 14 27.55 -06 33 13.8	19.9 Rq~lASaH15
d9307	C2014 10 02.20122 00 11 17.70 -07 37 30.1	17.0 Rq~lAX3H15
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F1209	C2014 10 02.20122 00 10 02.30 -06 50 29.2	18.0 Rq~lAKzH15
P5956	C2014 10 02.20122 00 13 34.81 -06 43 03.2	18.3 Rq~lARoH15
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J1302	C2014 10 02.20516 00 05 04.25 -09 59 17.2	18.1 Rq~lAO9H15
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13689	C2014 10 02.20516 00 04 39.62 -10 23 29.0	17.2 Rq~lA69H15
B4892	C2014 10 02.20516 00 04 48.86 -10 12 43.8	18.2 Rq~lAHmH15
U5595	C2014 10 02.20516 00 04 02.56 -10 20 32.4	18.6 Rq~lATvH15
33333	C2014 10 02.20516 00 05 43.55 -11 05 18.4	16.9 Rq~lA8qH15
12373	C2014 10 02.20516 00 01 21.48 -10 50 39.2	16.7 Rq~lA5wH15
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S3218	C2014 10 02.20743 00 04 27.85 -12 31 43.9	18.0 Rq~lATBH15
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V7614	C2014 10 02.20743 00 05 56.32 -13 04 23.6	19.1 Rq~lAUgH15
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98158	C2014 10 02.20965 00 13 16.47 -09 14 38.5	17.4 Rq~lAG9H15
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J0593	C2014 10 02.20965 00 11 29.61 -09 02 52.6	18.3 Rq~lAO7H15
K5623	C2014 10 02.20965 00 11 33.25 -09 57 23.8	18.0 Rq~lAO1H15

P8373	C2014 10 02.20965 00 11 15.78 -09 10 54.6	19.3	Rq~lAS6H15
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20755	C2014 10 02.20965 00 12 35.33 -09 56 18.2	16.3	Rq~lA7BH15
37834	C2014 10 02.20965 00 12 03.48 -09 43 09.0	16.6	Rq~lA9QH15
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94160	C2014 10 02.20965 00 13 54.26 -09 45 35.3	17.9	Rq~lAFgH15
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77578	C2014 10 02.21188 00 12 26.13 -07 14 53.2	17.9	Rq~lAEDH15
56274	C2014 10 02.21188 00 10 55.87 -07 35 33.0	16.7	Rq~lABdH15
D4132	C2014 10 02.21188 00 13 01.46 -07 12 37.6	18.0	Rq~lAJbH15
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34536	C2014 10 02.21188 00 09 07.82 -07 08 00.8	18.0	Rq~lA90H15
E7899	C2014 10 02.21188 00 12 34.58 -06 48 40.0	18.2	Rq~lAKiH15
K5799	C2014 10 02.21188 00 13 52.19 -07 25 08.8	18.4	Rq~lAOmH15
20332	C2014 10 02.21188 00 14 49.95 -07 25 13.5	17.0	Rq~lA77H15
96003	C2014 10 02.21188 00 13 52.13 -07 08 44.7	17.3	Rq~lAFrH15
B6929	C2014 10 02.21188 00 11 23.54 -07 08 57.3	17.6	Rq~lAI0H15
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07098	C2014 10 02.21188 00 11 57.98 -07 04 51.3	17.8	Rq~lA59H15
42528	C2014 10 02.21188 00 08 36.66 -07 25 02.6	18.7	Rq~lAA3H15
59309	C2014 10 02.21188 00 08 01.31 -07 34 59.7	18.3	Rq~lABwH15
89220	C2014 10 02.21188 00 12 57.32 -06 55 11.0	20.2	Rq~lAFHH15
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94021	C2014 10 02.21188 00 13 54.12 -07 22 09.7	18.0	Rq~lAFfH15
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Q5046	C2014 10 02.21188 00 14 26.98 -06 33 14.3	18.8	Rq~lASaH15
d9307	C2014 10 02.21188 00 11 17.94 -07 37 40.8	17.0	Rq~lAX3H15
43833	C2014 10 02.21188 00 12 23.10 -06 59 23.9	17.1	Rq~lAAGH15
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26314	C2014 10 02.21410 00 13 19.72 -10 44 31.7	18.0	Rq~lA7vH15
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91325	C2014 10 02.21410 00 12 25.70 -10 42 49.0	16.7	Rq~lAFRH15
C9111	C2014 10 02.21410 00 13 28.89 -11 38 07.8	19.1	Rq~lAJ3H15
P7166	C2014 10 02.21410 00 10 13.75 -10 15 21.9	19.5	Rq~lARxH15
04199	C2014 10 02.21410 00 14 01.37 -10 03 00.1	14.9	Rq~lA4hH15
20749	C2014 10 02.21410 00 14 25.45 -10 37 32.2	17.1	Rq~lA7BH15
34599	C2014 10 02.21410 00 11 10.62 -10 46 25.6	17.8	Rq~lA90H15
T6822	C2014 10 02.21410 00 11 57.40 -10 37 06.7	19.1	Rq~lAT1H15
08149	C2014 10 02.21410 00 13 24.14 -10 30 43.2	15.5	Rq~lA5KH15
W2943	C2014 10 02.21410 00 09 35.67 -10 28 43.7	18.4	Rq~lAVAH15
97623	C2014 10 02.21410 00 12 38.35 -11 29 15.3	18.0	Rq~lAG4H15
G5210	C2014 10 02.21410 00 13 41.71 -10 59 20.9	17.6	Rq~lAM6H15
Q0725	C2014 10 02.21410 00 10 58.20 -10 34 44.6	19.2	Rq~lASHH15
29310	C2014 10 02.21410 00 07 46.50 -10 08 25.7	17.4	Rq~lA8KH15
E5117	C2014 10 02.21410 00 08 41.77 -10 18 17.1	18.6	Rq~lAKSH15
22040	C2014 10 02.21410 00 13 30.92 -10 23 27.3	17.0	Rq~lA7NH15
H9891	C2014 10 02.21410 00 10 53.88 -11 39 47.2	18.7	Rq~lANHH15
66374	C2014 10 02.21410 00 13 51.84 -10 53 00.3	18.2	Rq~lACiH15
51618	C2014 10 02.21410 00 14 35.66 -10 52 37.3	16.8	Rq~lAB8H15
71635	C2014 10 02.21410 00 09 10.17 -10 20 07.2	17.7	Rq~lADUH15
E6455	C2014 10 02.21631 00 08 20.41 -13 16 49.6	19.8	Rq~lAKZH15
85891	C2014 10 02.21631 00 12 39.56 -13 24 23.6	19.3	Rq~lAEyH15
85874	C2014 10 02.21631 00 11 20.93 -12 40 58.1	17.7	Rq~lAExH15
81748	C2014 10 02.21631 00 11 40.64 -12 42 28.8	18.6	Rq~lAEcH15
04091	C2014 10 02.21631 00 12 35.73 -13 00 18.7	15.4	Rq~lA4fH15
J6786	C2014 10 02.21631 00 09 32.17 -13 24 31.4	19.7	Rq~lAOPH15
63760	C2014 10 02.21631 00 07 56.46 -12 13 21.3	16.4	Rq~lACOH15
U7741	C2014 10 02.21631 00 11 11.36 -13 28 33.8	19.2	Rq~lAUOH15
22144	C2014 10 02.21631 00 11 42.13 -11 57 36.3	16.2	Rq~lA7OH15
38513	C2014 10 02.21631 00 12 08.41 -12 21 40.3	16.4	Rq~lA9WH15
99735	C2014 10 02.21631 00 14 18.26 -12 16 17.5	19.0	Rq~lAGKH15
G0508	C2014 10 02.21631 00 14 29.16 -12 15 33.0	19.2	Rq~lALjH15
I4598	C2014 10 02.21631 00 11 17.09 -11 59 38.6	19.7	Rq~lANeH15
60779	C2014 10 02.21631 00 13 58.32 -13 19 30.9	17.5	Rq~lAC5H15
E1530	C2014 10 02.21631 00 13 35.17 -13 21 06.4	19.2	Rq~lAK9H15
06939	C2014 10 02.21631 00 08 43.33 -13 02 10.0	18.2	Rq~lA57H15
72098	C2014 10 02.21631 00 14 51.78 -12 33 39.5	18.2	Rq~lADZH15
K11WE2S	C2014 10 02.21631 00 10 41.98 -12 44 12.5	19.2	Rq~l9zMH15
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84839	C2014 10 02.21859 00 15 27.78 -08 55 25.6	19.2	Rq~lAEsH15
V5370	C2014 10 02.21859 00 17 20.61 -09 22 30.0	19.5	Rq~lAUWH15
P2578	C2014 10 02.21859 00 18 04.80 -09 53 15.7	19.1	Rq~lARXH15
F7866	C2014 10 02.21859 00 18 03.44 -08 48 51.3	18.4	Rq~lALXH15
O1966	C2014 10 02.21859 00 18 04.14 -09 36 55.6	18.9	Rq~lAQqH15
34388	C2014 10 02.21859 00 20 57.00 -08 57 44.8	18.4	Rq~lA8zH15
B5673	C2014 10 02.21859 00 18 57.05 -09 01 34.6	18.5	Rq~lAHuH15
E3433	C2014 10 02.21859 00 19 10.25 -09 01 41.4	17.0	Rq~lAKLH15
07054	C2014 10 02.21859 00 18 46.65 -09 24 22.4	16.1	Rq~lA59H15
K09C54S	C2014 10 02.21859 00 16 01.37 -08 31 51.0	19.3	Rq~l9yTH15
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F3116	C2014 10 02.21859 00 18 44.34 -09 41 18.0	16.9	Rq~lAL9H15
U1159	C2014 10 02.21859 00 22 08.14 -09 36 18.4	18.0	Rq~lATpH15
e5983	C2014 10 02.21859 00 19 38.58 -09 35 25.3	19.3	Rq~lAXYH15
61256	C2014 10 02.21859 00 16 19.46 -08 26 48.4	16.2	Rq~lAC9H15
B6859	C2014 10 02.21859 00 17 22.37 -08 26 00.8	18.7	Rq~lAIOH15
O6134	C2014 10 02.21859 00 17 19.91 -08 36 06.7	20.1	Rq~lAR2H15
B4555	C2014 10 02.22081 00 17 49.38 -10 22 37.1	18.7	Rq~lAHkH15
73196	C2014 10 02.22081 00 16 03.93 -10 37 33.9	19.0	Rq~lAD1H15
15430	C2014 10 02.22081 00 20 44.68 -10 50 47.4	17.0	Rq~lA6OH15
81464	C2014 10 02.22081 00 17 46.36 -10 17 55.8	18.2	Rq~lAEZH15
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03420	C2014 10 02.22081 00 18 12.44 -11 19 31.2	16.0	Rq~lA4XH15
17509	C2014 10 02.22081 00 15 45.22 -10 54 43.2	17.7	Rq~lA6iH15
19335	C2014 10 02.22081 00 16 31.34 -10 54 21.6	17.3	Rq~lA6zH15
F3285	C2014 10 02.22081 00 17 06.99 -10 43 27.4	19.9	Rq~lALAH15
04005	C2014 10 02.22081 00 15 24.97 -11 34 49.0	14.7	Rq~lA4eH15
W6809	C2014 10 02.22081 00 18 49.28 -10 13 41.3	20.0	Rq~lAVYH15
e5173	C2014 10 02.22081 00 17 18.03 -10 58 16.4	18.8	Rq~lAXQH15
e6486	C2014 10 02.22081 00 20 18.26 -10 25 36.7	19.4	Rq~lAXdH15
42028	C2014 10 02.22081 00 16 24.80 -11 41 23.8	17.9	Rq~lA9zH15
G6371	C2014 10 02.22081 00 17 14.44 -10 46 57.6	18.5	Rq~lAMGH15
L1951	C2014 10 02.22081 00 15 48.42 -10 07 10.1	19.1	Rq~lAPAH15
03212	C2014 10 02.22081 00 15 53.64 -11 43 10.2	17.2	Rq~lA4VH15
K5322	C2014 10 02.22081 00 20 59.94 -10 20 49.4	19.0	Rq~lAOkH15
P1601	C2014 10 02.22081 00 15 42.59 -11 13 32.9	19.1	Rq~lARQH15
36923	C2014 10 02.22081 00 16 59.75 -10 09 07.4	18.0	Rq~lA9JH15
C7160	C2014 10 02.22081 00 20 59.92 -10 36 34.4	19.2	Rq~lAIqH15
68576	C2014 10 02.22081 00 16 43.88 -11 04 00.7	18.8	Rq~lACzH15
72141	C2014 10 02.22081 00 16 18.48 -10 06 42.0	18.9	Rq~lADaH15
K14QF1K	C2014 10 02.22431 00 12 06.77 -10 55 58.4	19.1	Rq~lA0ZH15
E5117	C2014 10 02.22431 00 08 41.23 -10 18 18.4	18.1	Rq~lAKSH15
P7166	C2014 10 02.22431 00 10 13.27 -10 15 29.9	19.4	Rq~lARxH15
91325	C2014 10 02.22431 00 12 25.05 -10 42 50.7	16.6	Rq~lAFRH15
04199	C2014 10 02.22431 00 14 00.79 -10 03 01.9	14.9	Rq~lA4hH15
C9111	C2014 10 02.22431 00 13 28.52 -11 38 11.0	18.8	Rq~lAJ3H15
08149	C2014 10 02.22431 00 13 23.47 -10 30 44.9	15.5	Rq~lA5KH15
20749	C2014 10 02.22431 00 14 24.95 -10 37 37.0	17.0	Rq~lA7BH15
29310	C2014 10 02.22431 00 07 45.90 -10 08 27.9	17.5	Rq~lA8KH15
71635	C2014 10 02.22431 00 09 09.67 -10 20 08.3	17.5	Rq~lADUH15
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Q0725	C2014 10 02.22431 00 10 57.70 -10 34 48.9	18.9	Rq~lASHH15
51618	C2014 10 02.22431 00 14 35.09 -10 52 37.7	16.7	Rq~lAB8H15
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66374	C2014 10 02.22431 00 13 51.23 -10 53 02.1	18.1	Rq~lACiH15
H9891	C2014 10 02.22431 00 10 53.38 -11 39 50.5	19.1	Rq~lANHH15
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63760	C2014 10 02.22766 00 07 55.90 -12 13 23.2	16.6	Rq~lACOH15
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06939	C2014 10 02.22766 00 08 42.81 -13 02 09.8	17.7	Rq~lA57H15
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V5370	C2014 10 02.22994 00 17 19.87 -09 22 31.3	19.1	Rq~lAUWH15
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Z7697	C2014 10 02.23215 00 21 23.88 -10 17 34.6	19.5	Rq~lAW7H15
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e5173	C2014 10 02.23215 00 17 17.30 -10 58 15.9	18.3	Rq~lAXQH15
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J6786	C2014 10 02.23781 00 09 31.01 -13 24 34.0	18.6 Rq~lAOPH15
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61256	C2014 10 02.24009 00 16 18.43 -08 26 47.6	16.4 Rq~lAC9H15
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O6134	C2014 10 02.24009 00 17 18.59 -08 36 10.8	19.7 Rq~lAR2H15
F7866	C2014 10 02.24009 00 18 02.45 -08 48 56.8	18.7 Rq~lALXH15
07054	C2014 10 02.24009 00 18 45.28 -09 24 26.5	16.0 Rq~lA59H15
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O1966	C2014 10 02.24009 00 18 02.68 -09 36 56.8	19.4 Rq~lAQqH15
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B5673	C2014 10 02.24009 00 18 56.13 -09 01 40.3	18.4 Rq~lAHuH15
U1159	C2014 10 02.24009 00 22 07.00 -09 36 21.9	18.3 Rq~lATpH15
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Q0725	C2014 10 02.24469 00 10 56.68 -10 34 56.1	18.9 Rq~lASHH15
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E5117	C2014 10 02.24469 00 08 40.16 -10 18 21.0	17.9 Rq~lAKSH15
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I7033	C2014 10 02.24802 00 09 35.73 -11 58 59.8	18.6 Rq~lANpH15
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B5673	C2014 10 02.25104 00 18 55.53 -09 01 42.2	18.1 Rq~lAHuH15
F3116	C2014 10 02.25104 00 18 42.54 -09 41 18.2	17.2 Rq~lAL9H15
B6859	C2014 10 02.25104 00 17 20.75 -08 26 11.3	18.7 Rq~lAI0H15
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V5370	C2014 10 02.25104 00 17 18.66 -09 22 34.8	20.4 Rq~lAUWH15
34388	C2014 10 02.25104 00 20 55.12 -08 57 57.5	17.9 Rq~lA8zH15
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F7866	C2014 10 02.25104 00 18 01.97 -08 49 00.2	18.7 Rq~lALXH15
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Z7697	C2014 10 02.25331 00 21 22.96 -10 17 47.6	19.9 Rq~lAW7H15
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F3285	C2014 10 02.25331 00 17 05.27 -10 43 33.3	19.9 Rq~lALAH15
04005	C2014 10 02.25331 00 15 23.13 -11 34 53.9	14.9 Rq~lA4eH15
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72141	C2014 10 02.25331 00 16 16.65 -10 06 54.6	18.2 Rq~lADaH15
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G6371	C2014 10 02.25331 00 17 12.53 -10 47 04.6	18.7 Rq~lAMGH15
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Q1609	C2014 10 02.25553 00 20 17.54 -13 19 47.9	19.5 Rq~lASNH15
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W8657	C2014 10 02.25553 00 19 26.70 -12 18 39.6	19.4 Rq~lAVfH15
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D1377	C2014 10 02.26003 00 28 48.42 -12 08 28.2	18.7 Rq~lAJGH15
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E6349	C2014 10 02.26796 00 28 24.44 -08 26 39.9	18.3 Rq~lAKYH15
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T0831	C2014 10 02.26796 00 24 37.40 -09 44 52.2	18.9 Rq~lATVH15
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88426	C2014 10 02.27331 00 24 41.74 -10 08 12.6	16.2 Rq~lAFAH15
15593	C2014 10 02.27331 00 27 52.67 -10 50 13.4	17.2 Rq~lA6QH15
64569	C2014 10 02.27331 00 28 07.54 -10 06 18.5	18.4 Rq~lACUH15
W6162	C2014 10 02.27331 00 25 20.13 -10 20 17.6	19.1 Rq~lAVUH15
G8600	C2014 10 02.27331 00 22 10.23 -11 07 00.9	18.3 Rq~lAMPH15
16860	C2014 10 02.27331 00 24 29.94 -11 20 28.2	16.5 Rq~lA6dH15
D4680	C2014 10 02.27331 00 22 53.38 -10 43 55.6	17.6 Rq~lAJfH15
J2999	C2014 10 02.27331 00 22 34.01 -10 45 01.5	18.5 Rq~lAOHH15
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15147	C2014 10 02.27846 00 24 57.14 -08 41 51.8	16.7 Rq~lA6MH15
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98579	C2014 10 02.27846 00 25 16.13 -08 28 32.3	18.3 Rq~lAGCH15
98956	C2014 10 02.27846 00 24 16.50 -09 06 35.2	19.5 Rq~lAGFH15
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U4086	C2014 10 02.27846 00 22 48.14 -08 54 15.6	19.6 Rq~lATuH15
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20083	C2014 10 02.27846 00 22 36.50 -08 57 15.2	17.7 Rq~lA75H15
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D5886	C2014 10 02.27846 00 23 43.01 -09 10 40.8	16.3 Rq~lAJkH15
K14SO4H	C2014 10 02.27846 00 25 21.29 -09 03 01.4	18.8 Rq~lA29H15
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X1950	C2014 10 02.28096 00 26 56.71 -11 50 07.8	18.7 Rq~lAVqH15
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56737	C2014 10 02.28417 00 27 48.37 -10 23 48.9	18.1 Rq~lABgH15
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G1864	C2014 10 02.30733 00 27 43.98 -07 21 16.8	18.8 Rq~lALpH15

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61457	C2014 10 02.30733 00 22 16.97 -07 08 03.0	17.1 Rq~lACBH15	
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64508	C2014 10 02.30961 00 17 25.17 -07 53 53.8	18.5 Rq~lACTH15	
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B1968	C2014 10 02.41770 03 53 56.91 +10 53 01.7	19.3	Rq~lAHaH15
F9032	C2014 10 02.41770 03 53 49.04 +10 49 03.4	18.4	Rq~lALcH15
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E9891	C2014 10 03.31966 02 15 21.43 +32 06 13.2	17.9	Rq~lAKtH15	01413	C2014 10 03.36919 04 31 06.88 +11 19 20.6	15.6	Rq~lA4BH15
A9411	C2014 10 03.31966 02 12 05.41 +31 32 45.6	17.0	Rq~lAHDH15	34056	C2014 10 03.36919 04 34 55.74 +11 56 56.7	19.0	Rq~lA8wH15
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I9875	C2014 10 03.38399 04 39 16.57 +09 54 50.7	19.2	Rq~lAO3H15	I8052	C2014 10 03.42773 04 53 31.08 +07 13 12.4	19.0	Rq~lANuH15
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I4992	C2014 10 03.39420 04 38 39.84 +09 26 25.7	19.5	Rq~lANgH15	P6816	C2014 10 03.43571 04 47 06.38 +11 59 22.9	19.2	Rq~lARvH15
22345	C2014 10 03.39420 04 40 14.97 +09 55 44.4	16.8	Rq~lA7PH15	42710	C2014 10 03.43571 04 48 58.72 +11 51 31.0	18.2	Rq~lAA5H15
99311	C2014 10 03.39420 04 41 09.59 +10 23 10.9	18.8	Rq~lAGGH15	78854	C2014 10 03.43571 04 48 10.27 +11 40 31.8	17.7	Rq~lAEKH15
G0396	C2014 10 03.39420 04 38 27.99 +09 45 03.9	18.9	Rq~lALiH15	10391	C2014 10 03.43800 04 54 19.90 +07 26 50.6	15.9	Rq~lA5eH15
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F4865	C2014 10 03.39653 04 39 47.10 +11 46 34.1	18.6	Rq~lALHH15	E9420	C2014 10 03.44027 04 52 36.49 +10 07 15.2	19.7	Rq~lAKrH15
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22345	C2014 10 03.40446 04 40 15.16 +09 55 38.2	16.7	Rq~lA7PH15	61910	C2014 10 03.44253 04 54 08.96 +11 11 31.5	18.3	Rq~lACEH15
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F4865	C2014 10 03.40675 04 39 47.25 +11 46 29.1	18.7	Rq~lALHH15	42710	C2014 10 03.44587 04 48 58.83 +11 51 27.4	17.9	Rq~lAA5H15
25784	C2014 10 03.40675 04 43 59.99 +11 14 50.0	18.9	Rq~lA7sH15	69826	C2014 10 03.44587 04 45 29.95 +11 05 41.2	19.3	Rq~lADBH15
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25774	C2014 10 03.41296 04 48 51.61 +09 57 24.3	17.9	Rq~lA7rH15	15958	C2014 10 03.45046 04 56 28.56 +09 17 15.6	16.2	Rq~lA6UH15
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I4992	C2014 10 03.41524 04 38 40.06 +09 26 20.0	19.7	Rq~lANgH15	A3617	C2014 10 03.45046 04 52 46.35 +09 46 33.4	18.2	Rq~lAGhH15
G0396	C2014 10 03.41524 04 38 28.43 +09 44 56.8	19.3	Rq~lALiH15	93459	C2014 10 03.45046 04 53 53.79 +09 24 45.1	18.8	Rq~lAFdH15
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I9875	C2014 10 03.41524 04 39 16.91 +09 54 43.7	19.0	Rq~lAO3H15	F3126	C2014 10 03.45275 04 56 16.80 +12 09 12.4	19.3	Rq~lAL9H15
09747	C2014 10 03.41524 04 40 03.64 +08 55 13.4	16.9	Rq~lA5YH15	P9180	C2014 10 03.45275 04 57 30.48 +11 14 12.6	18.6	Rq~lASAH15
58816	C2014 10 03.41524 04 38 44.53 +09 53 27.1	19.4	Rq~lABtH15	08401	C2014 10 03.45275 04 56 21.54 +11 27 40.4	18.9	Rq~lA5MH15
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33830	C2014 10 04.25652 00 52 56.68 -22 19 36.6	16.5	Rq~lA8uH15
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Рекомендуемая форма библиографической ссылки

Астероидно-кометная опасность. 2014. № 14-10 (7). 13с.
URL: http://library.keldysh.ru/ako.asp?id=2014-10

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Подписано в печать 21.10.2014. Формат 60x84/16. Усл. печ. л.0,7. Тираж 50 экз. Заказ А-1.
ИПМ им.М.В.Келдыша РАН. 125047, Москва, Миусская пл., 4