

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11033 - L2 Version 2
Chandra X-Ray Center

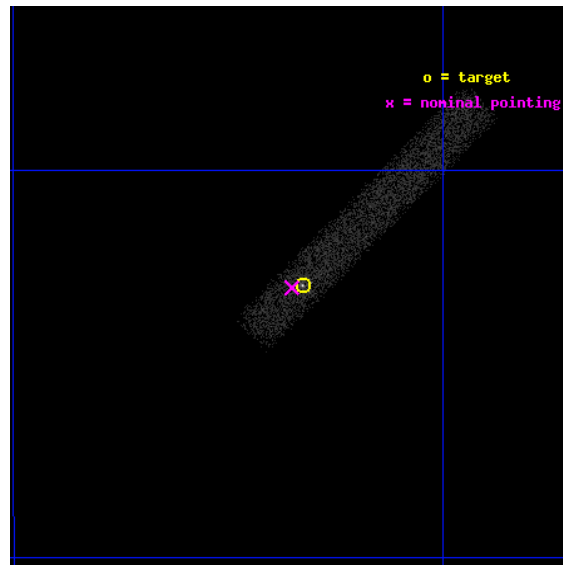
L2 Processing Date : Jun 25 2012

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1 Front

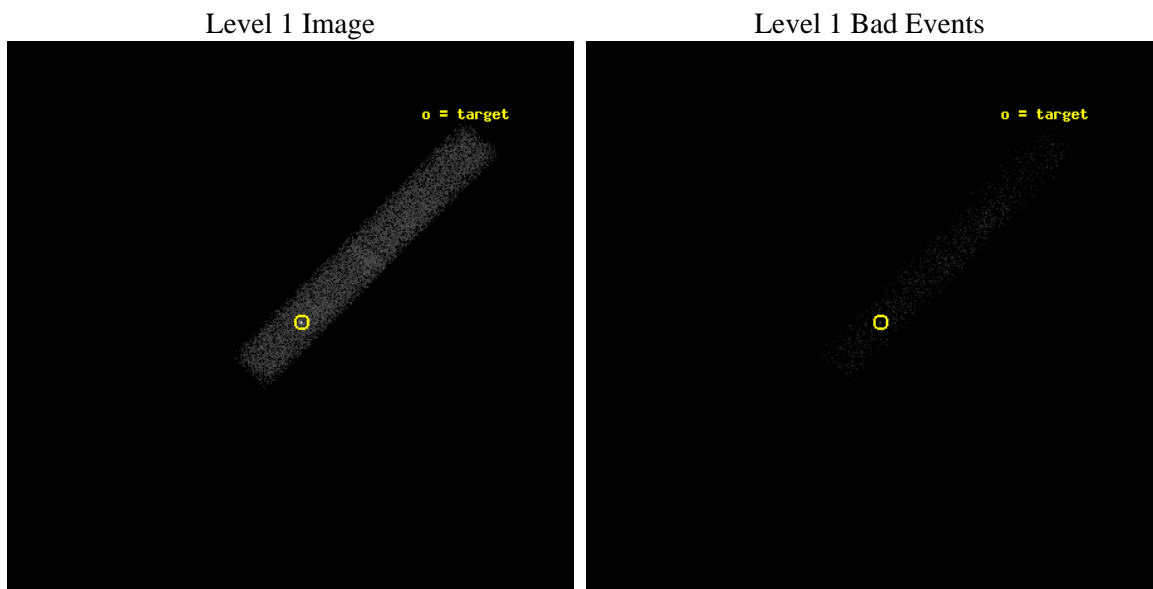
seq_num	401068	Sequence number
obs_id	11033	Observation id
title	An Irradiated Disk in an Ultraluminous X-Ray Source	Proposal title
observer	Prof. Philip Kaaret	Principal investigator
object	NGC 5408 X-1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	210.831667	Observer's specified target RA [deg]
dec_targ	-41.382917	Observer's specified target Dec [deg]
ra_nom	210.8379720491	Nominal RA [deg]
dec_nom	-41.384037920892	Nominal Dec [deg]
roll_nom	314.96354691733	Nominal Roll [deg]
revision	2	Processing version of data
ontime	12183.599273801	Sum of GTIs [s]
livetime	11049.881438238	Livetime [s]
ontime7	12183.599273801	Sum of GTIs [s]
l2events	11087	Number of level 2 events



2 OBI

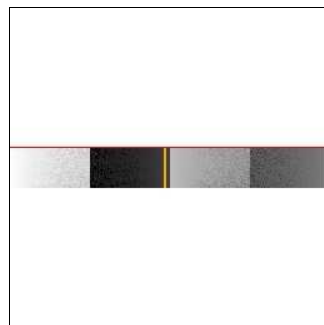
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	12000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	12183.599273801	Sum of GTIs [s]
caldsver	4.4.10	 	ontime7	12183.599273801	Sum of GTIs [s]
date	2012-06-26T00:09:42	Date and time of file creation	l1events	20412	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	20412
rejected events	8921
rejected %	43%

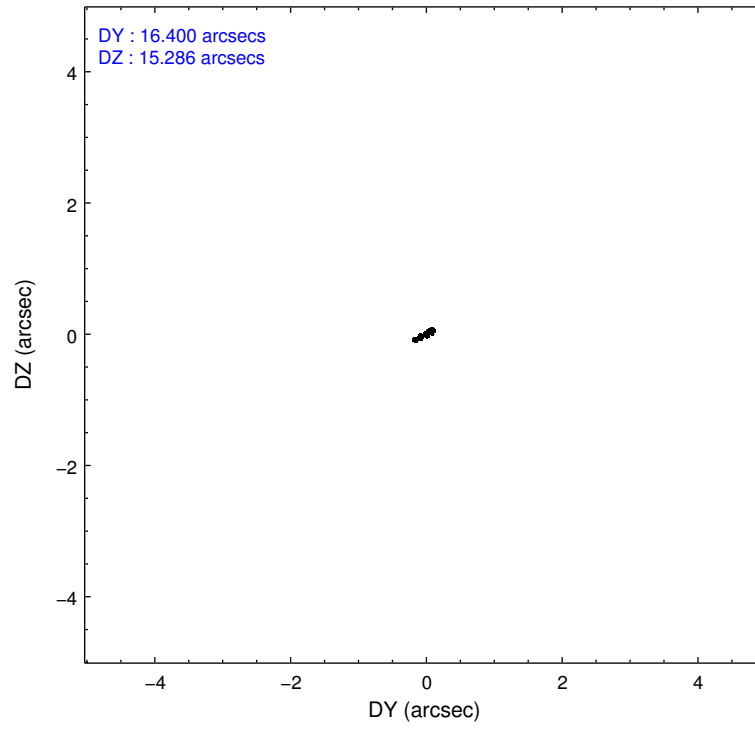
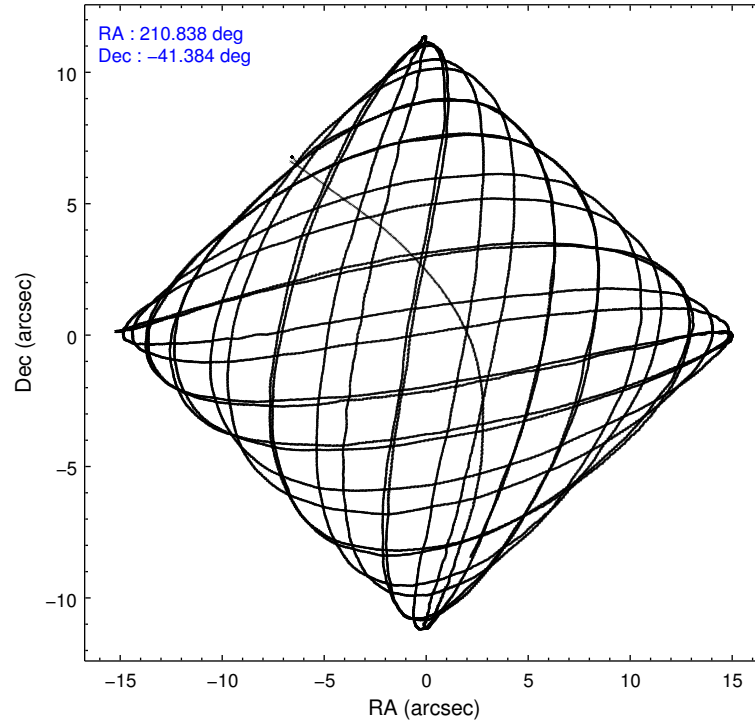
	ccd 7
grade 0 events	2026
	9%
grade 1 events	42
	0%
grade 2 events	2694
	13%
grade 3 events	1693
	8%
grade 4 events	1494
	7%
grade 5 events	1745
	8%
grade 6 events	4334
	21%
grade 7 events	6384
	31%

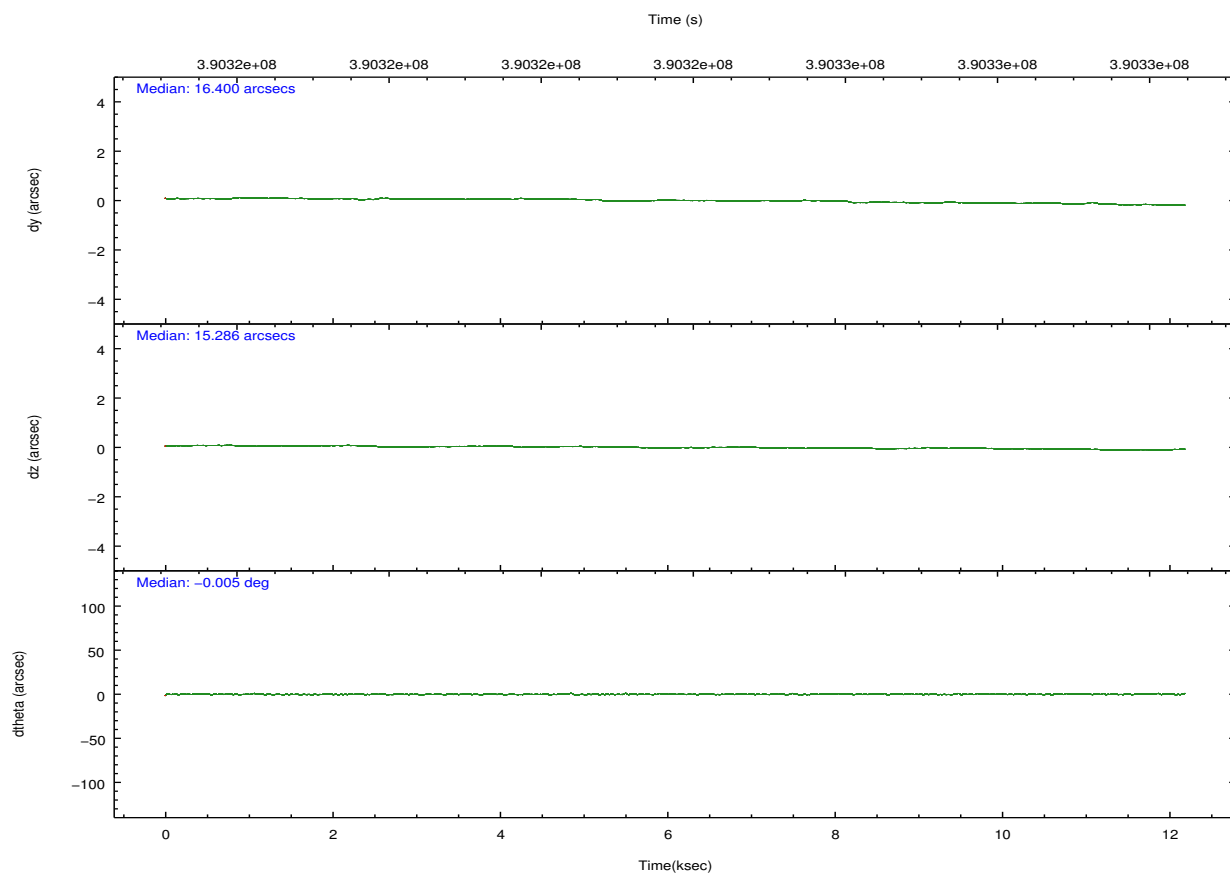
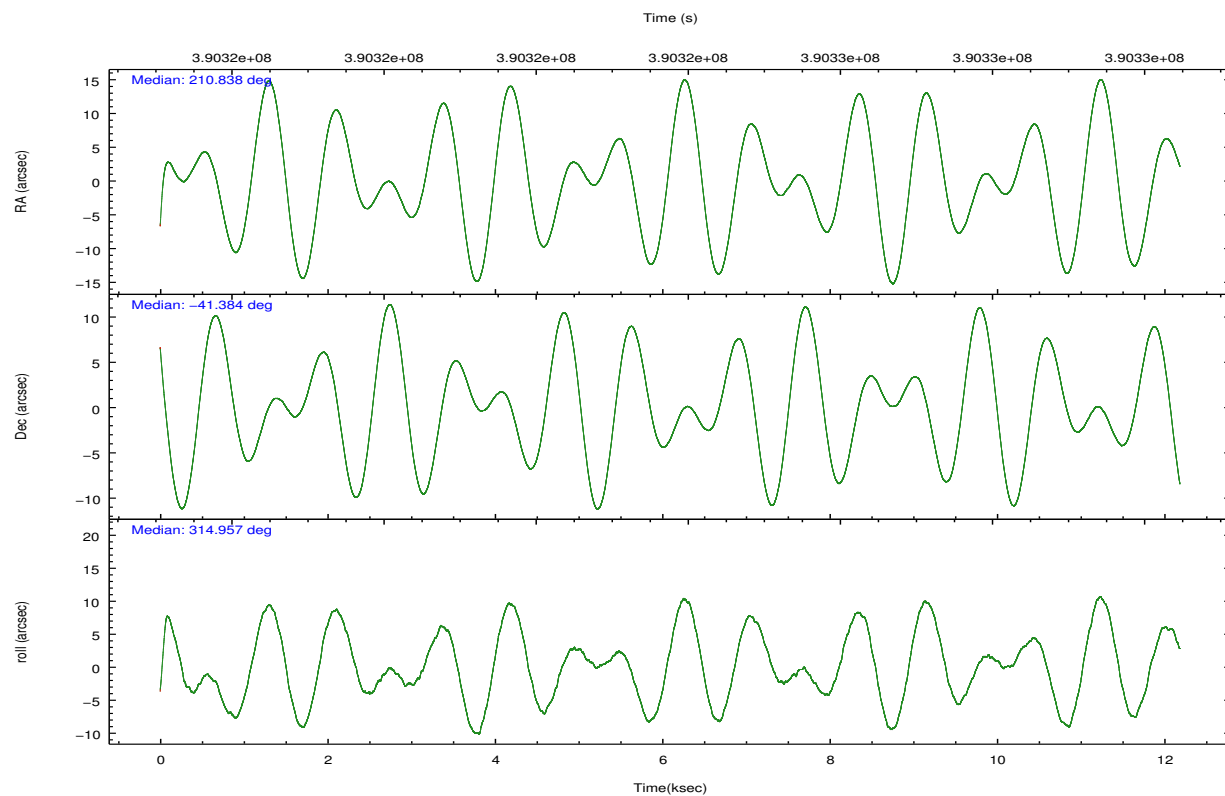
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	210.802632	210.8379720490954
[deg] Pointing Dec	-41.377291	-41.38403792089159
[deg] Pointing Roll	314.783557	314.963546917329
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1425803651734
[mm] SIM translation stage offset	0	0.01005778216563158
[s] Observation start time (MET)	390317843.184000	390316586.814
Observation start date	2010-05-15T13:36:17	2010-05-15T13:16:26
[s] Observation end time (MET)	390329843.184000	390330907.08973
Observation end date	2010-05-15T16:56:17	2010-05-15T17:15:07
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	CUSTOM	1/8
Subarray start row	449	449
Subarray row count	128	128
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0.4

2.3 Aspect



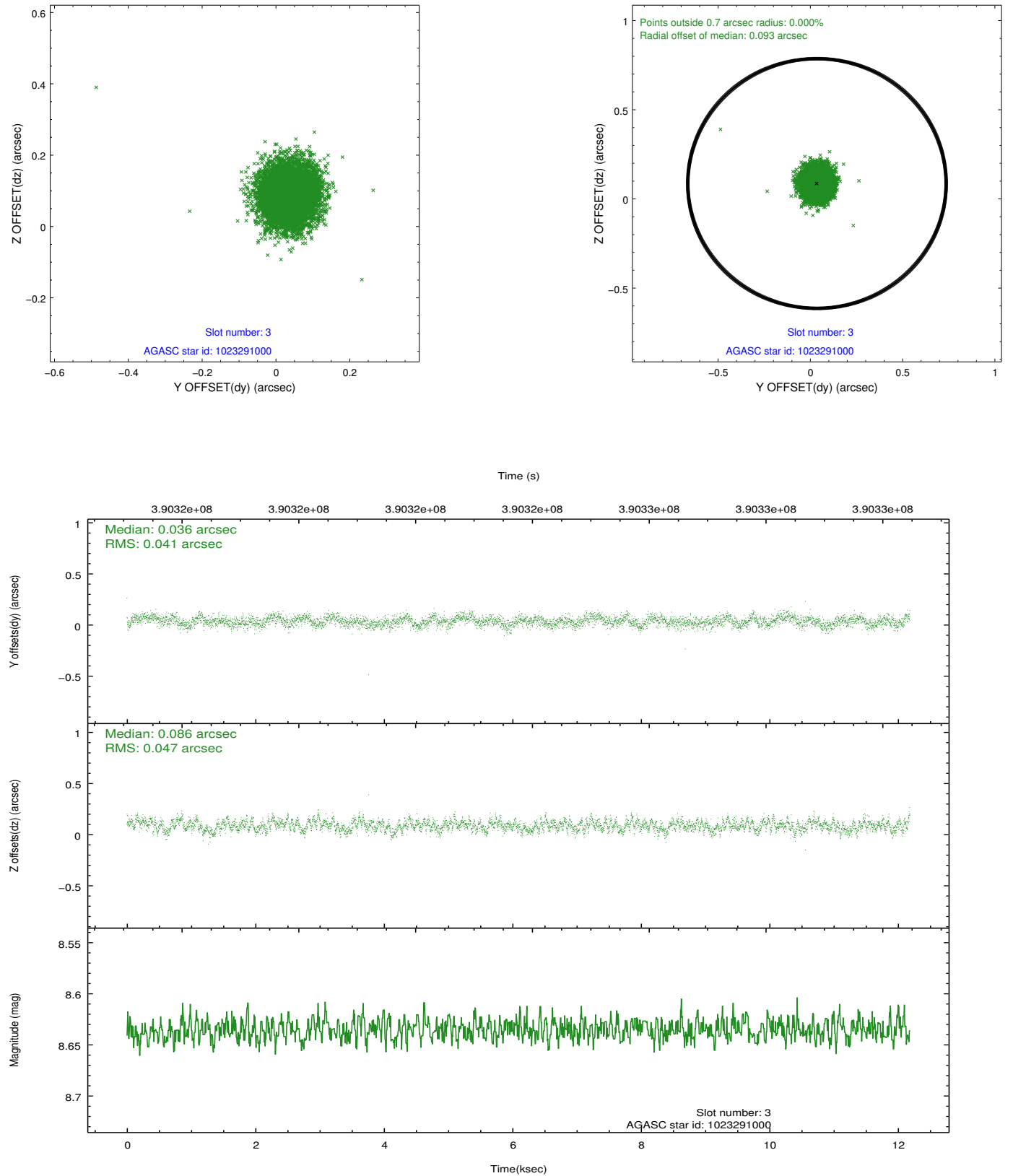


Slot Statistics

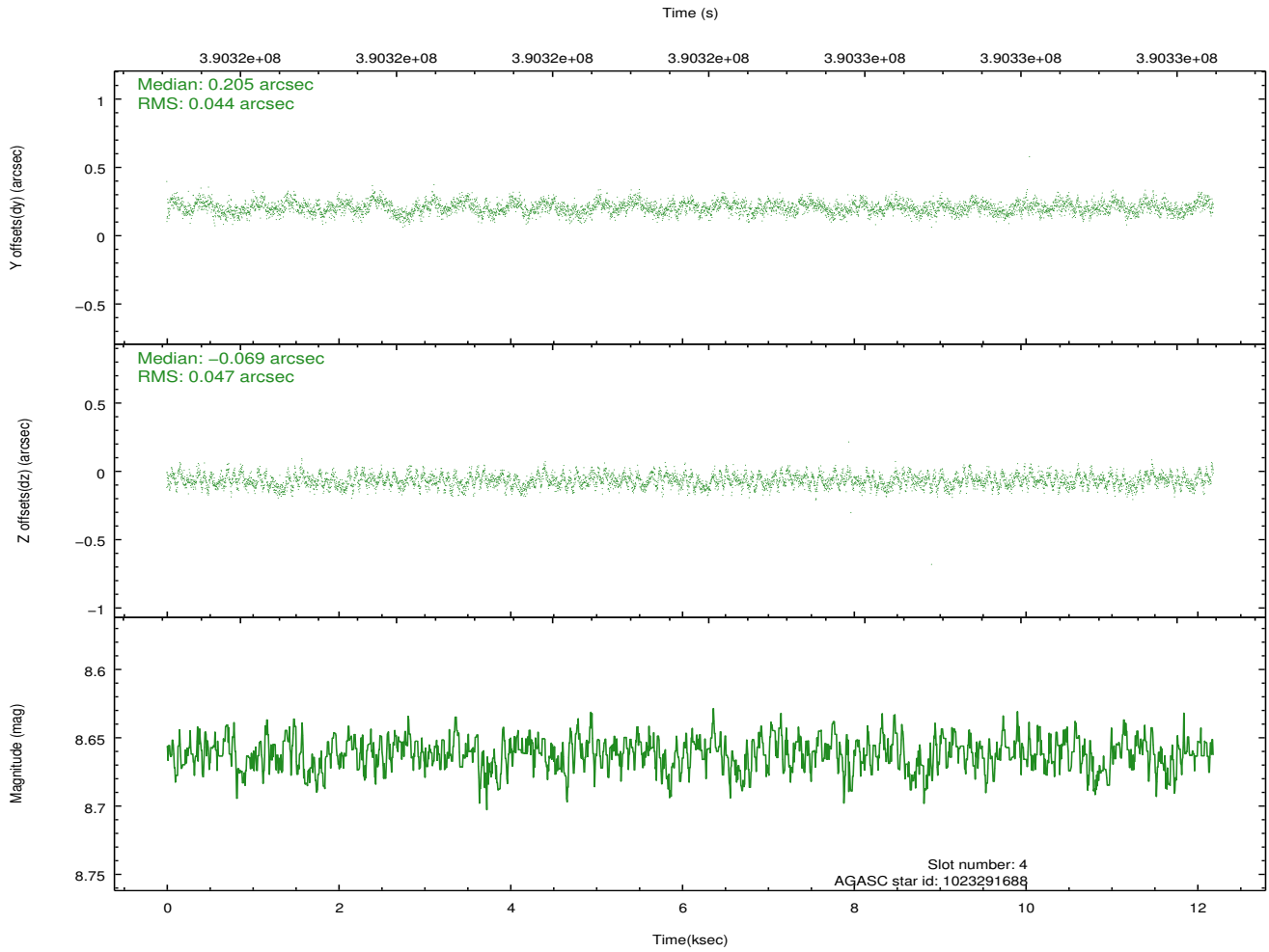
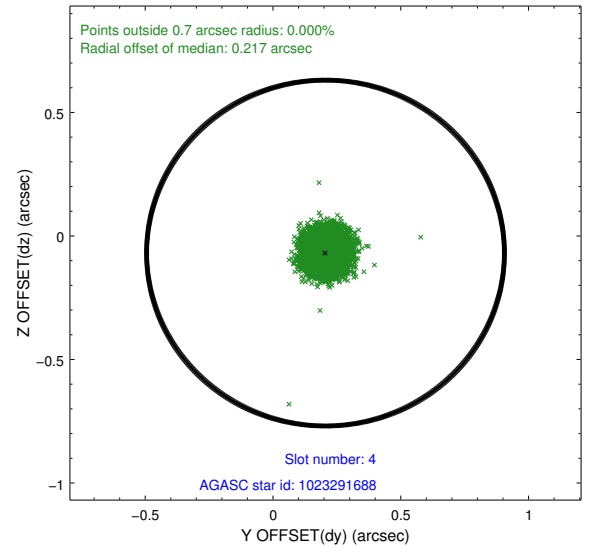
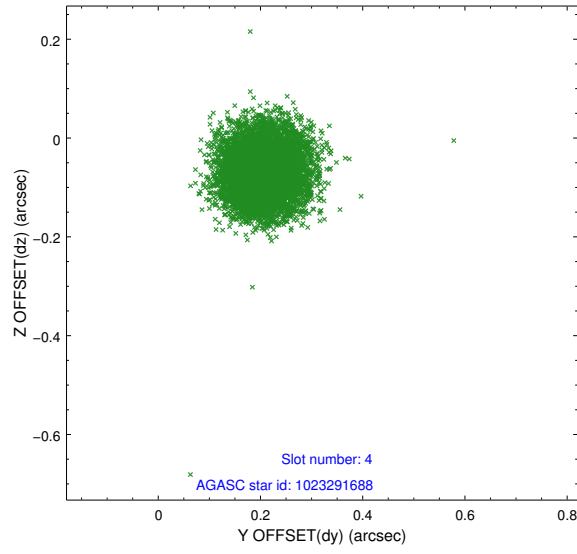
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.91	2972	-0.109	-0.047	0.007	0.012	0.000000	0.000000	-769.49	-1736.67
1	FID	ACIS-S-4	6.99	2973	0.220	0.065	0.006	0.010	0.000000	0.000000	2143.91	171.53
2	FID	ACIS-S-5	7.01	2973	-0.142	-0.010	0.007	0.011	0.000000	0.000000	-1821.86	165.55
3	GUIDE	1023291000	8.64	5940	0.036	0.086	0.067	0.106	210.097476	-41.108006	-2029.55	-680.35
4	GUIDE	1023291688	8.66	5940	0.205	-0.069	0.069	0.108	210.168569	-41.185177	-1696.33	-736.59
5	GUIDE	1023300040	9.03	5939	-0.127	0.083	0.082	0.136	210.724612	-40.574015	-2203.26	1885.32
6	GUIDE	1023822680	8.84	5944	-0.025	-0.103	0.090	0.148	211.176618	-41.286245	481.19	947.50
7	GUIDE	1023824024	7.54	5940	-0.086	0.003	0.053	0.101	210.697872	-41.987484	1362.29	-1745.97

2.4 Star Slots

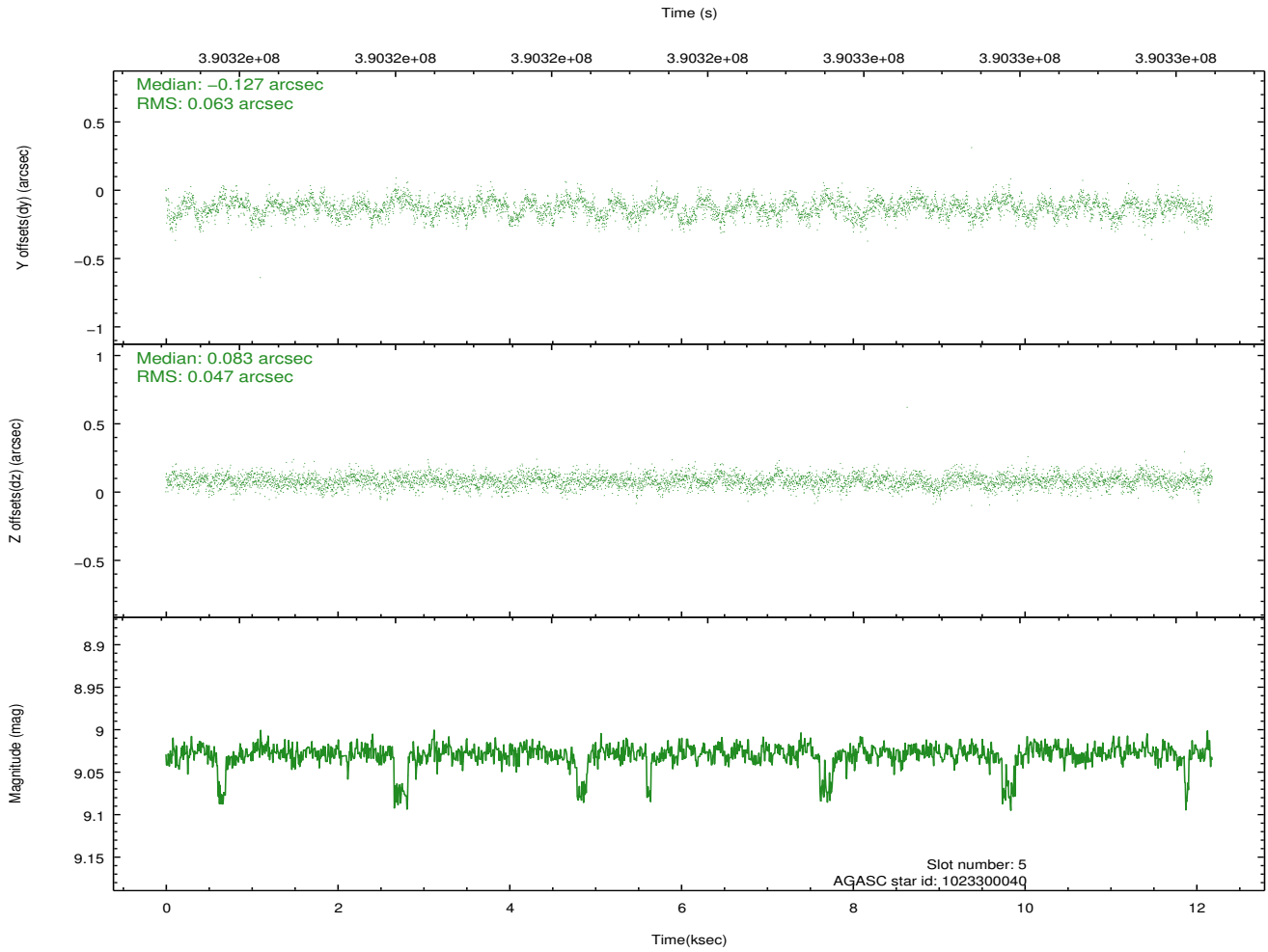
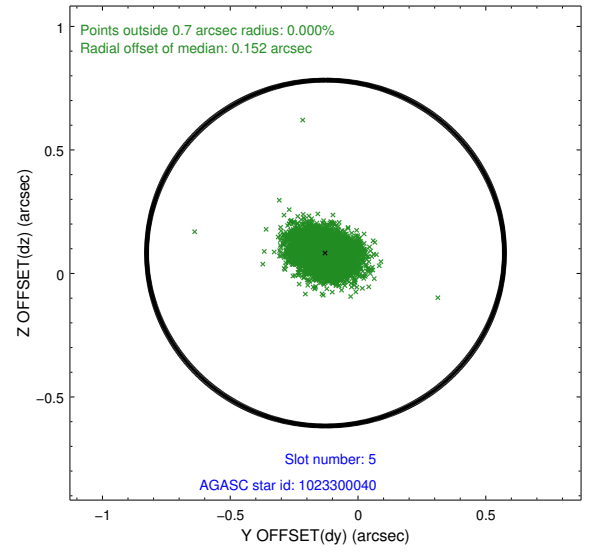
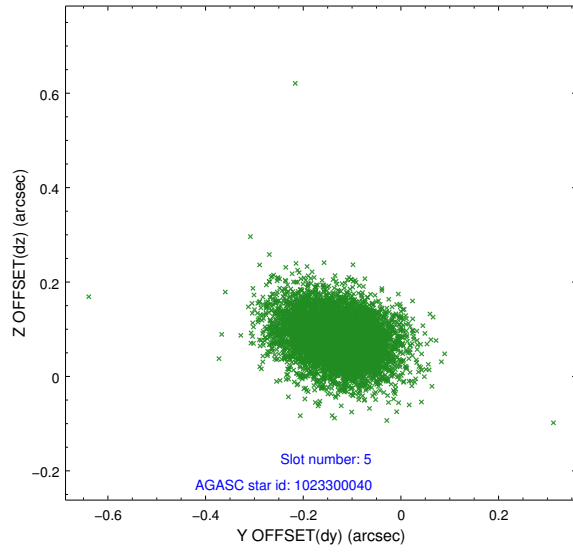
2.4.1 Slot 3



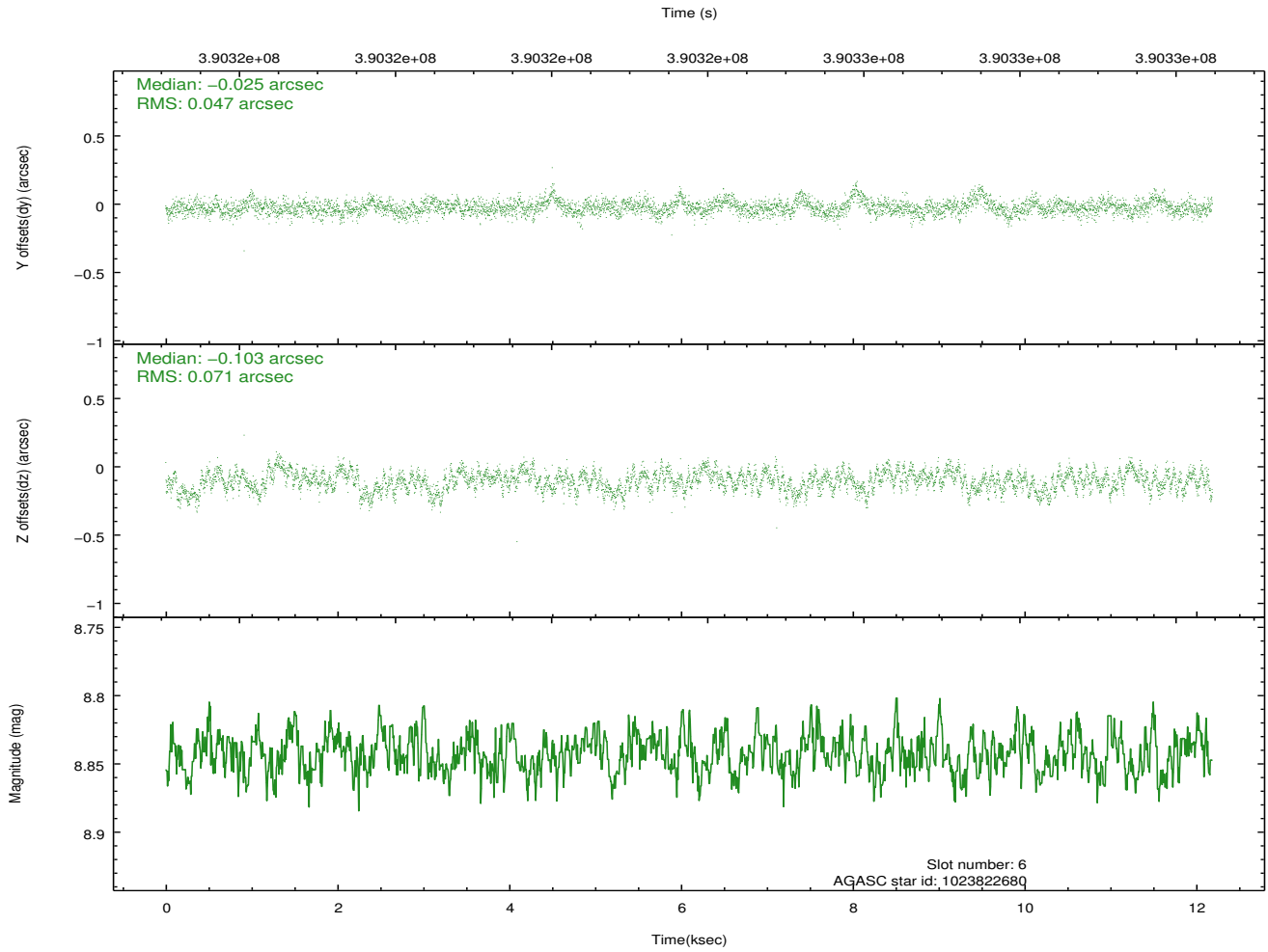
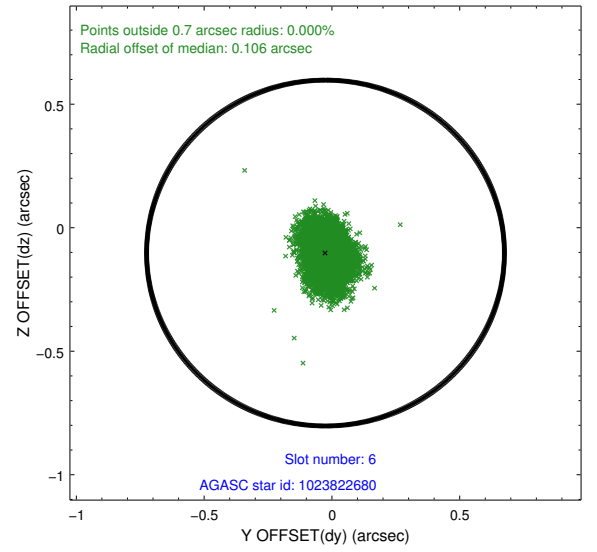
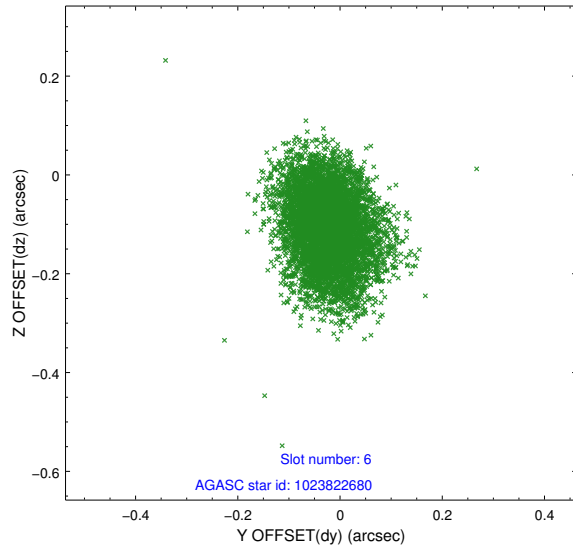
2.4.2 Slot 4



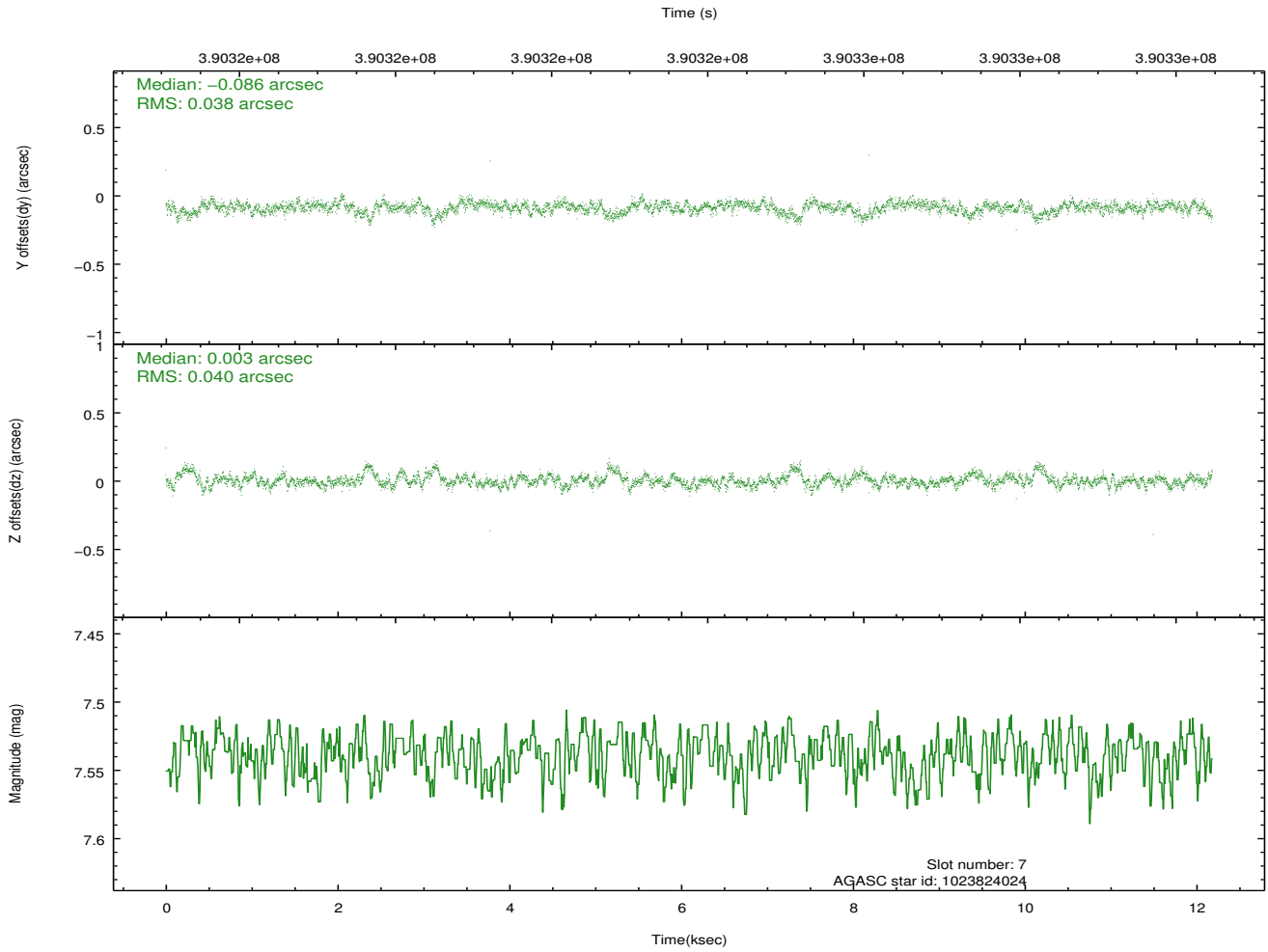
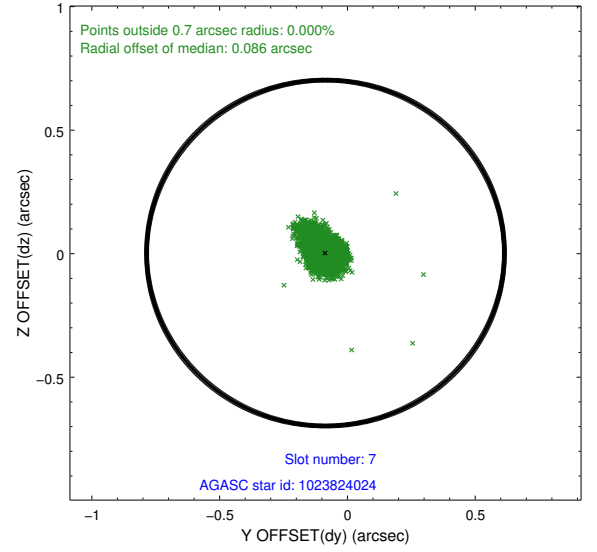
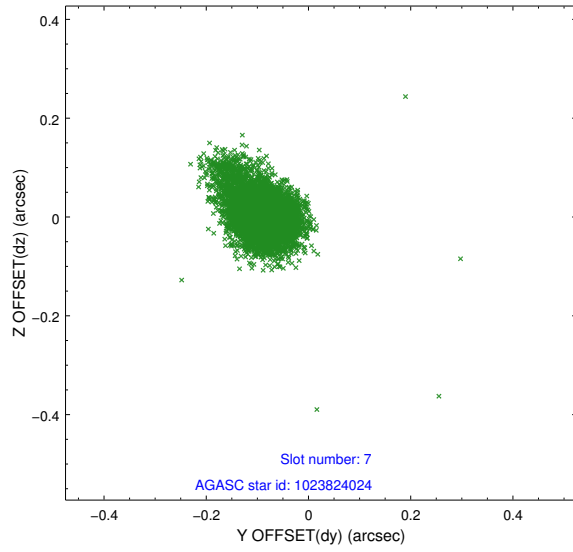
2.4.3 Slot 5



2.4.4 Slot 6

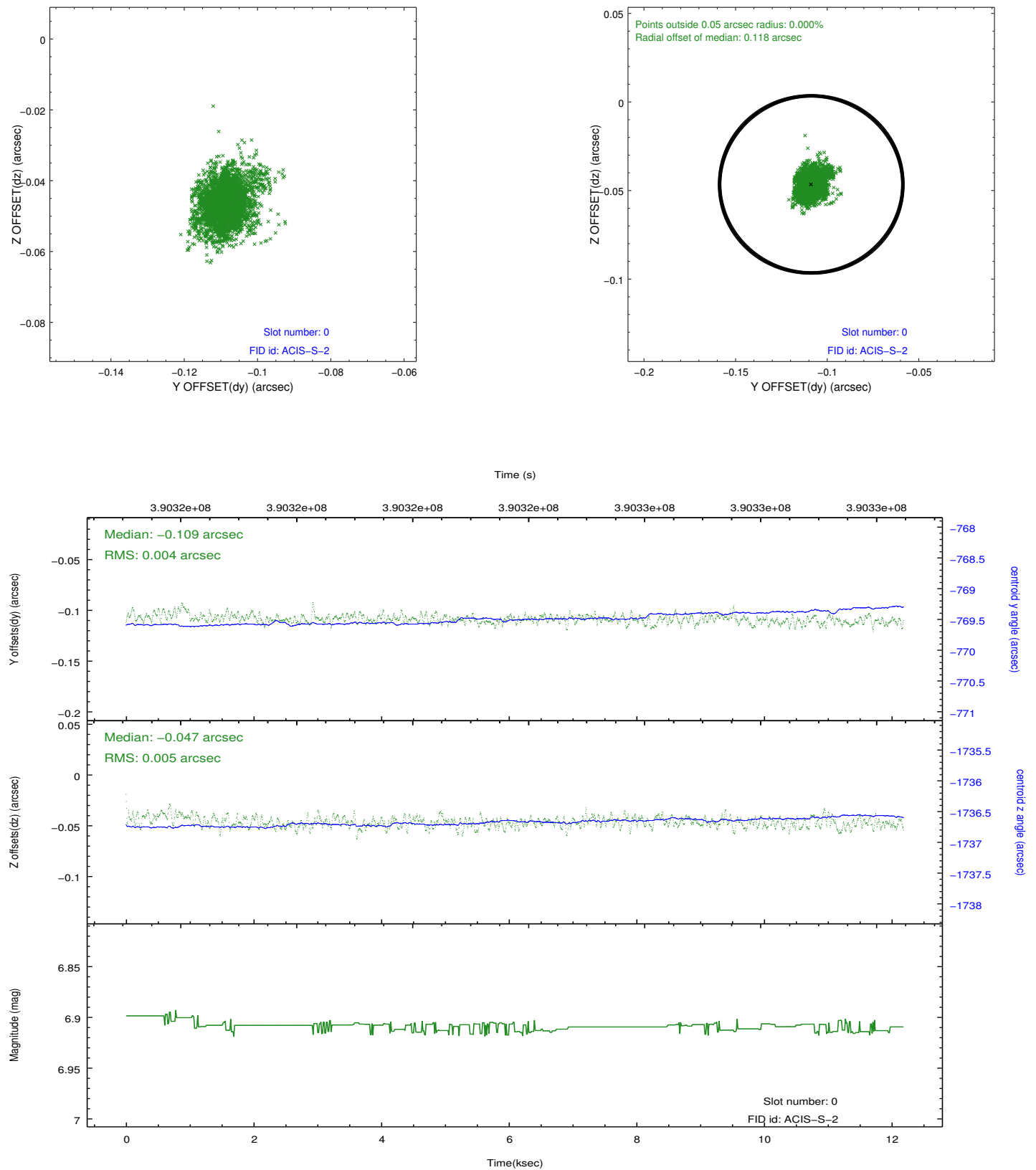


2.4.5 Slot 7

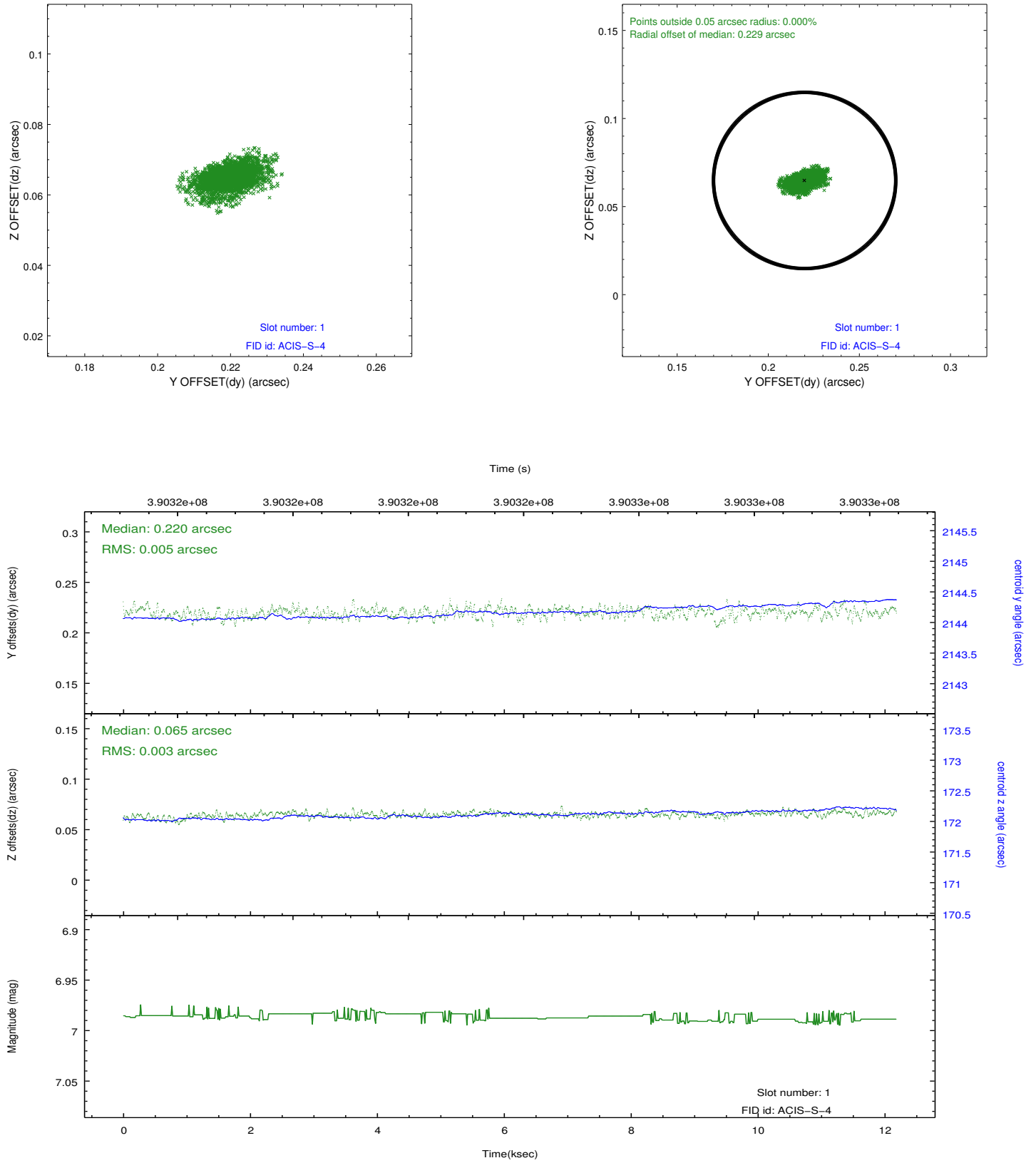


2.5 FID Slots

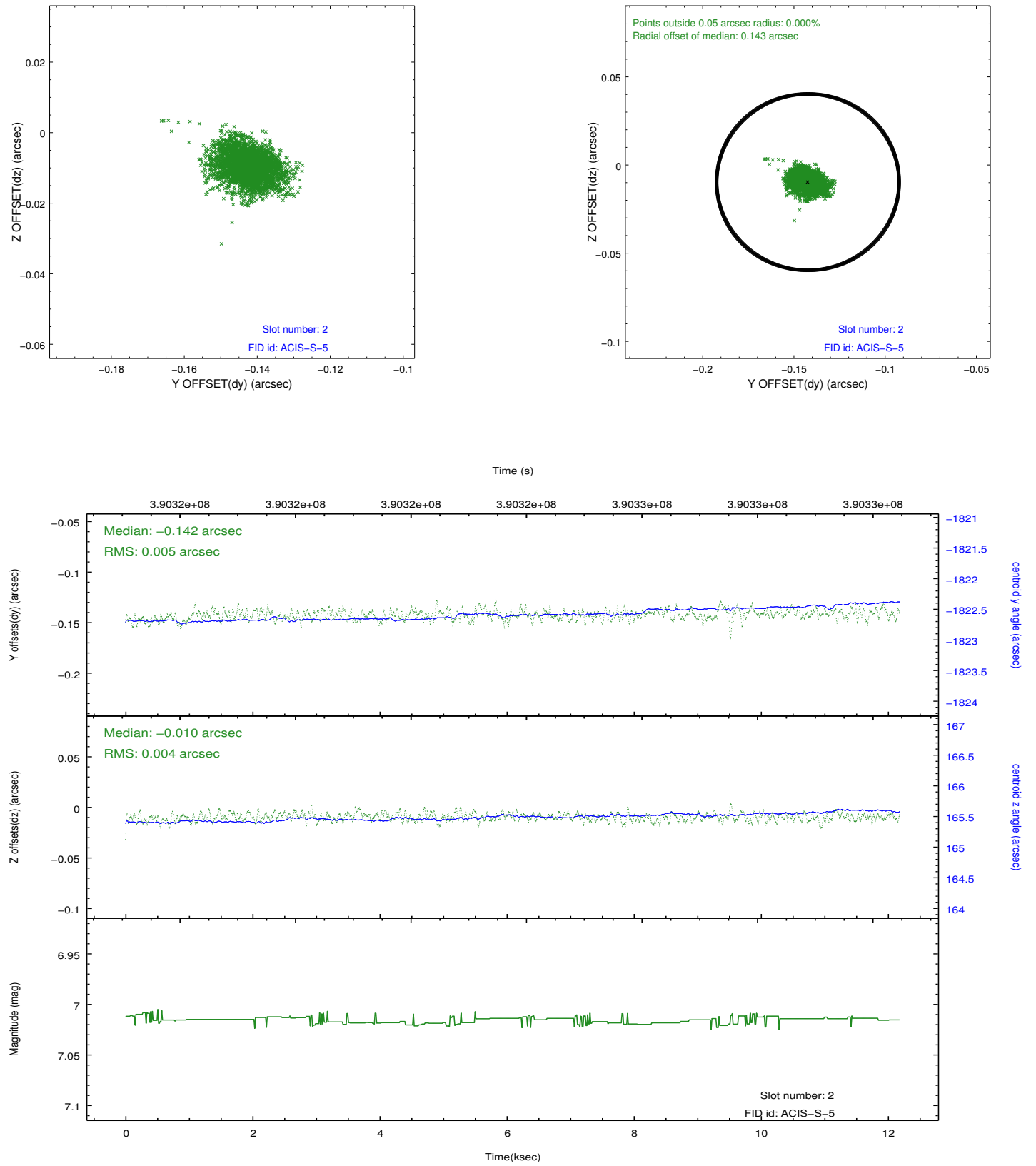
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.07.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.183599273801

A.2 Comments

Joint proposal with HST.