

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 47 - L2 Version 4
Chandra X-Ray Center

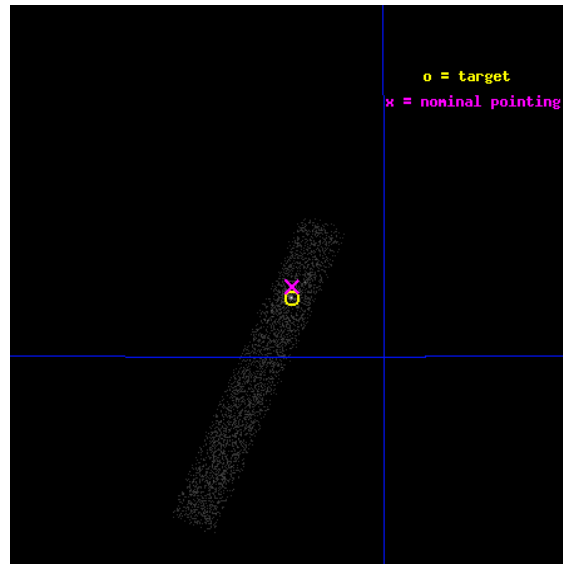
L2 Processing Date : Aug 24 2012

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1 Front

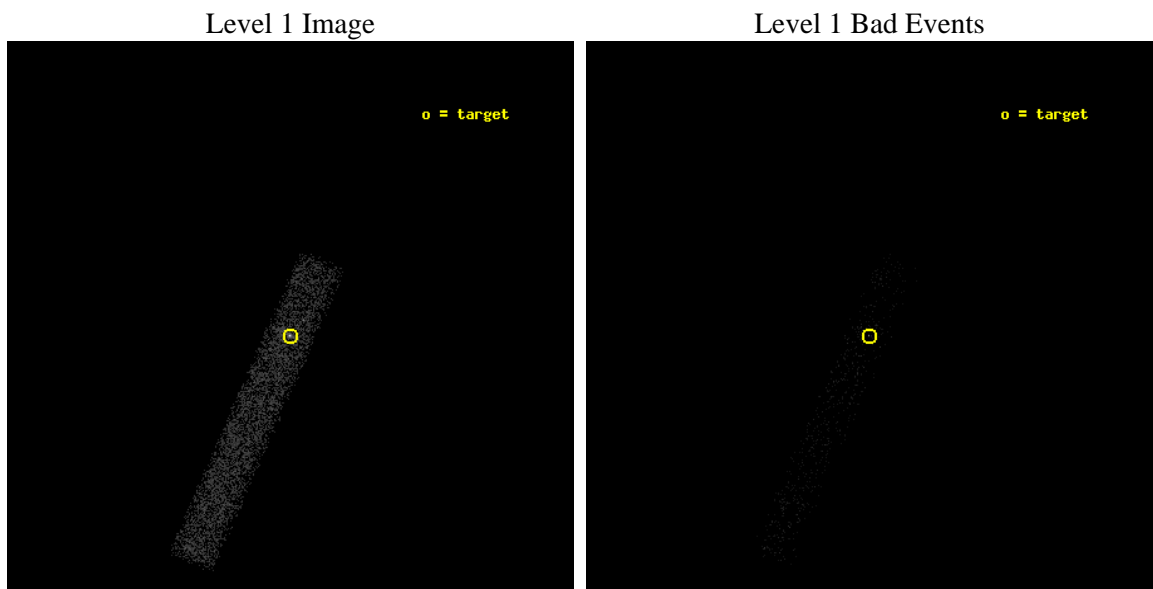
seq_num	790038	Sequence number
obs_id	47	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	PG1634+706	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	248.620833	Observer's specified target RA [deg]
dec_targ	70.525556	Observer's specified target Dec [deg]
ra_nom	248.62041878096	Nominal RA [deg]
dec_nom	70.530304493916	Nominal Dec [deg]
roll_nom	113.99217810408	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5942.0000885427	Sum of GTIs [s]
livetime	5389.0804358269	Livetime [s]
ontime7	5942.0000885427	Sum of GTIs [s]
l2events	5534	Number of level 2 events



2 OBI

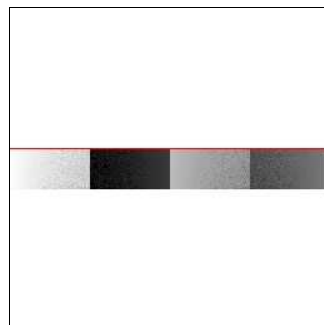
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	5500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5942.0000885427	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime7	5942.0000885427	Sum of GTIs [s]
date	2012-08-24T16:00:42	Date and time of file creation	l1events	10368	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	10368
rejected events	4604
rejected %	44%

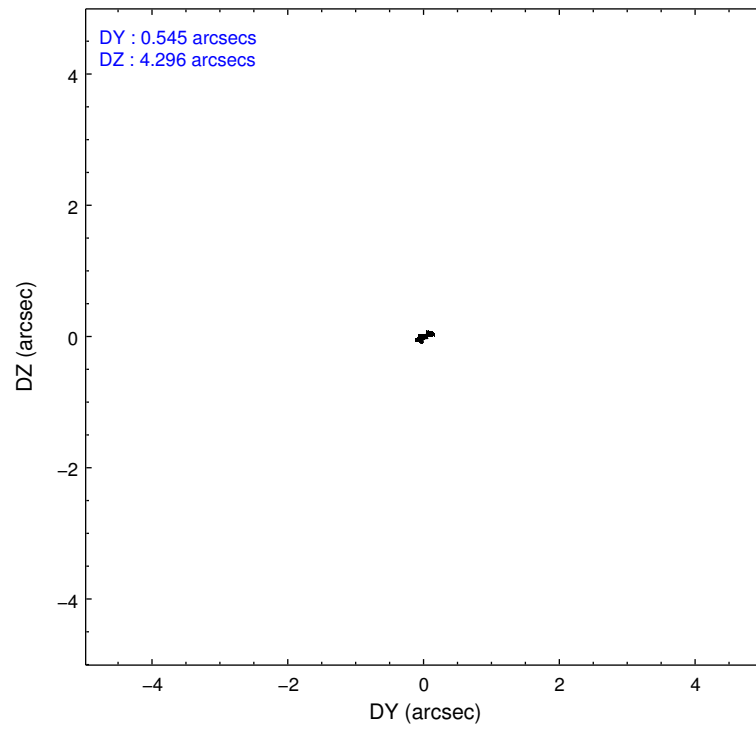
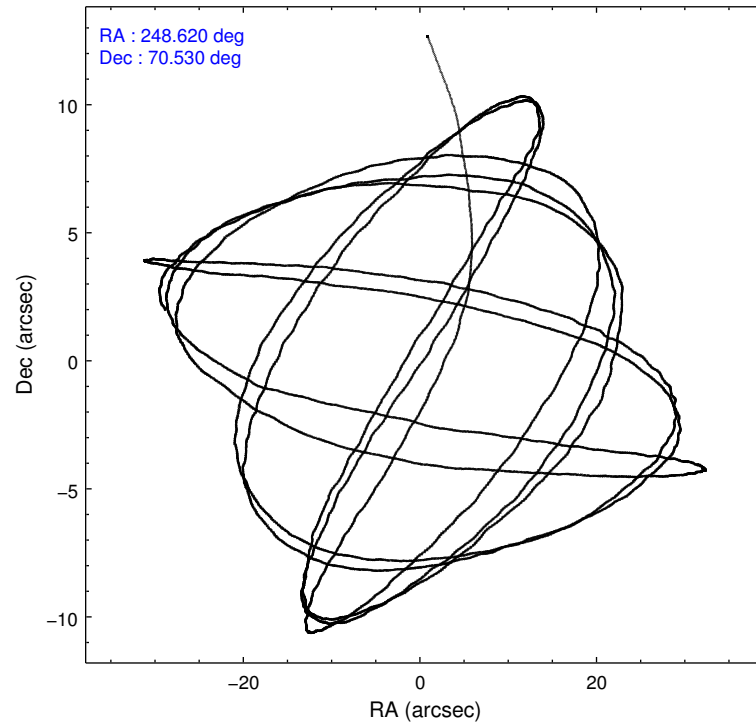
	ccd 7
grade 0 events	1232
	11%
grade 1 events	23
	0%
grade 2 events	1318
	12%
grade 3 events	812
	7%
grade 4 events	796
	7%
grade 5 events	745
	7%
grade 6 events	2134
	20%
grade 7 events	3308
	31%

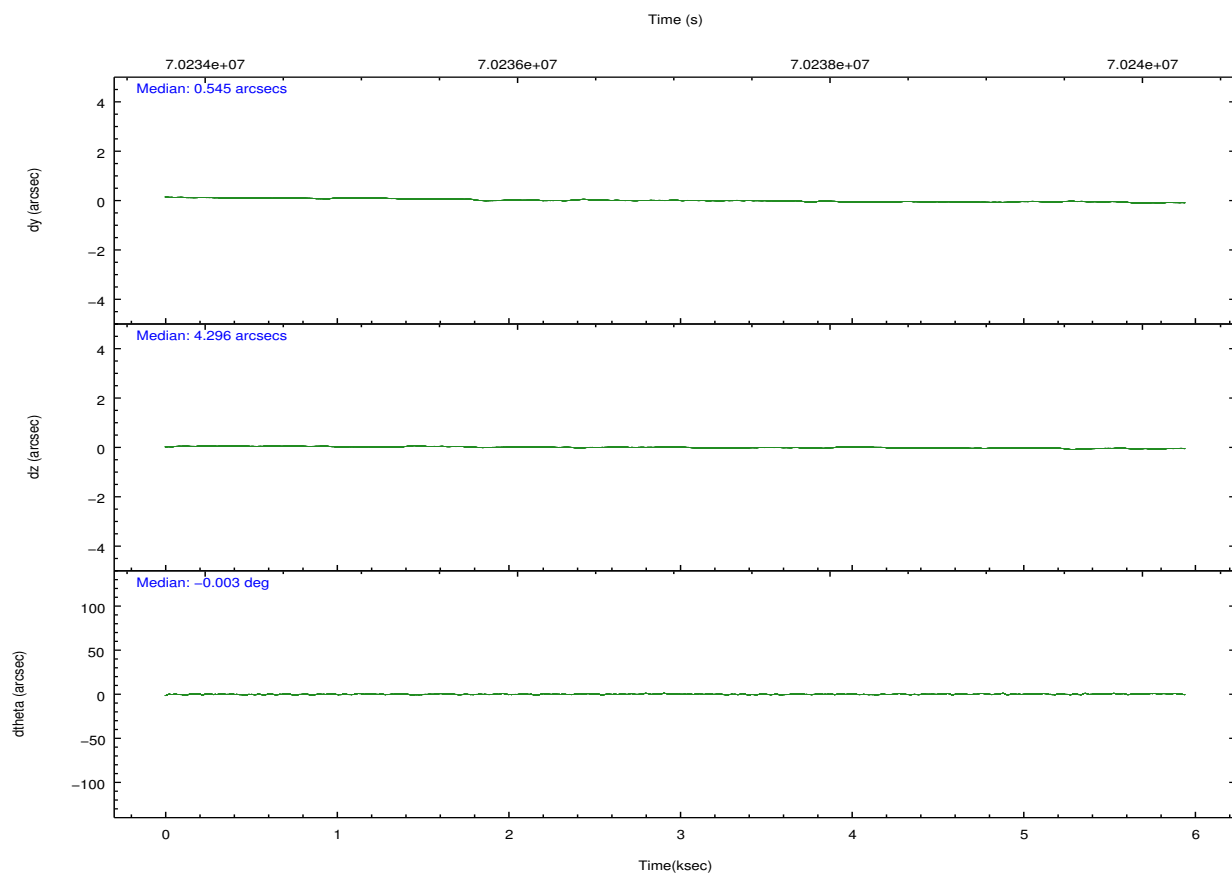
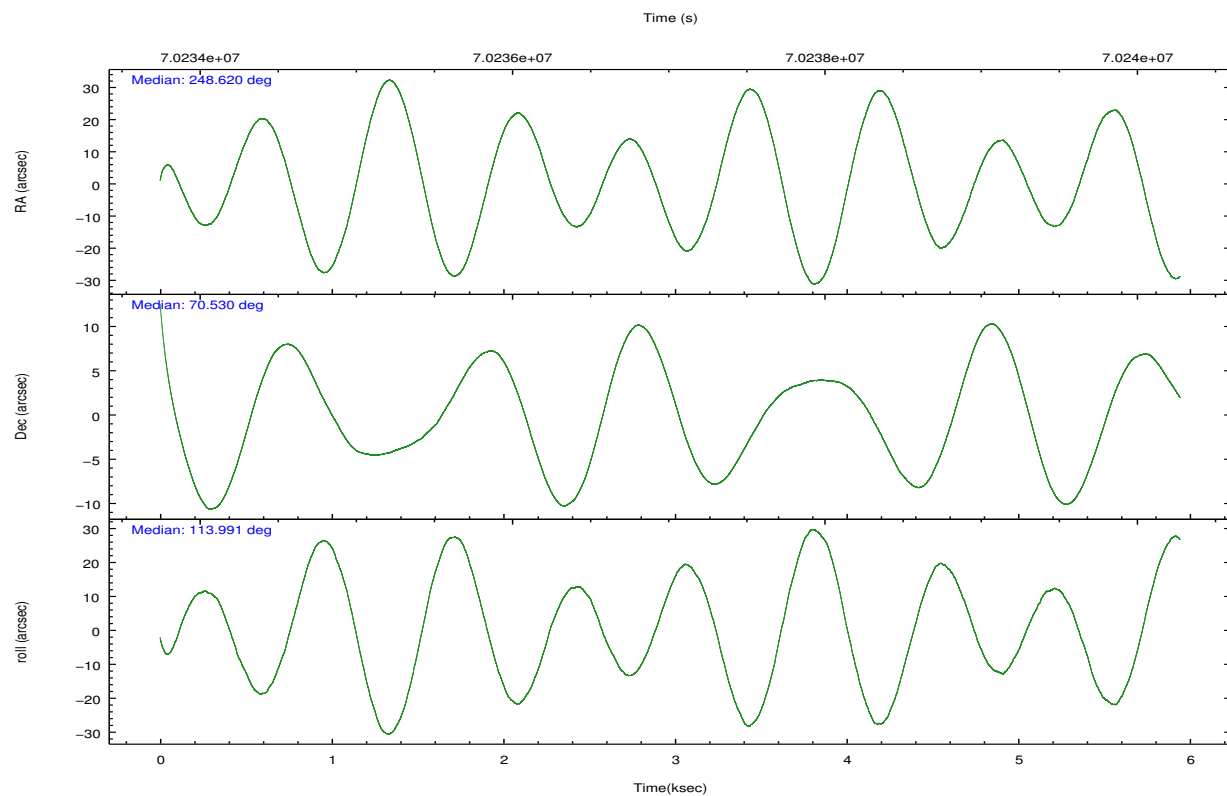
2.2 Compared Parameters

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	248.687221	248.6204187809616
[deg] Pointing Dec	70.514192	70.53030449391638
[deg] Pointing Roll	113.772563	113.9921781040803
[mm] SIM focus pos	-0.934267	-0.9273857039096275
[mm] SIM defocus	-0.25	-0.2431182426097312
[mm] SIM translation stage pos	-190.132523	-190.1425803651734
[mm] SIM translation stage offset	0	0.01005778216563158
[s] Observation start time (MET)	70234479.184000	70233127.41266499
Observation start date	2000-03-23T21:33:35	2000-03-23T21:12:07
[s] Observation end time (MET)	70239979.184000	70240112.787921
Observation end date	2000-03-23T23:05:15	2000-03-23T23:08:32
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	447	447
Subarray row count	128	128
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0.4

2.3 Aspect



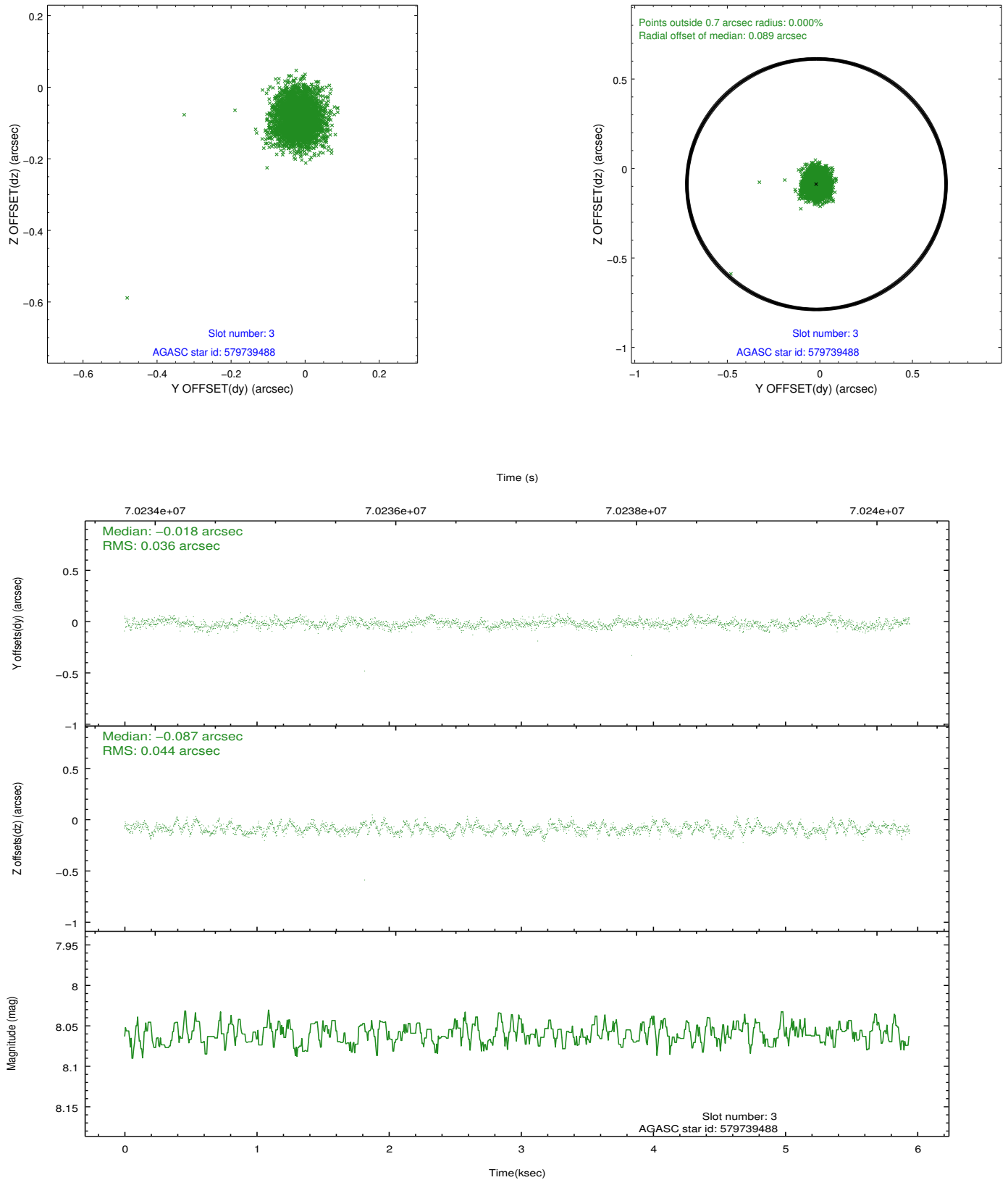


Slot Statistics

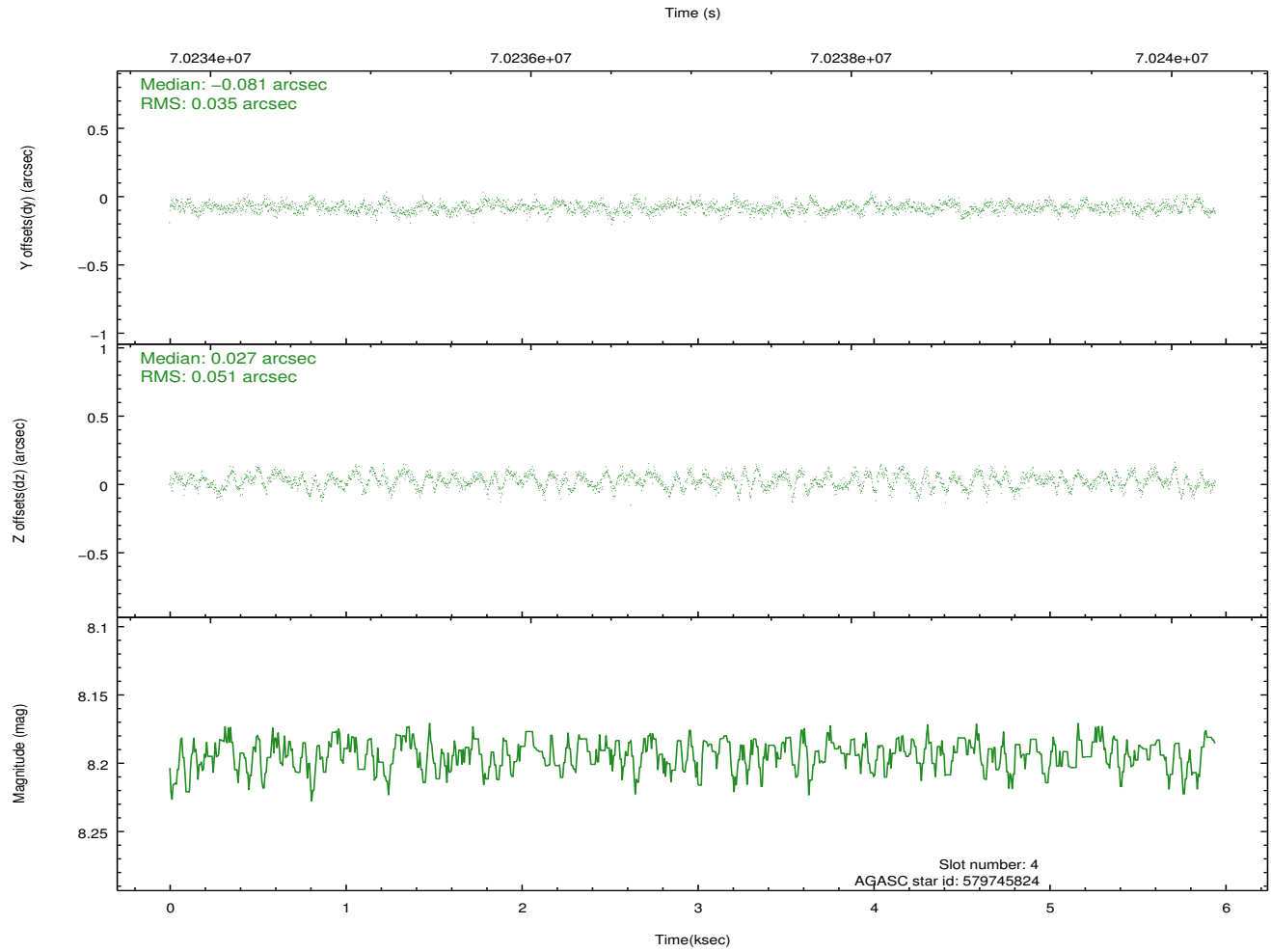
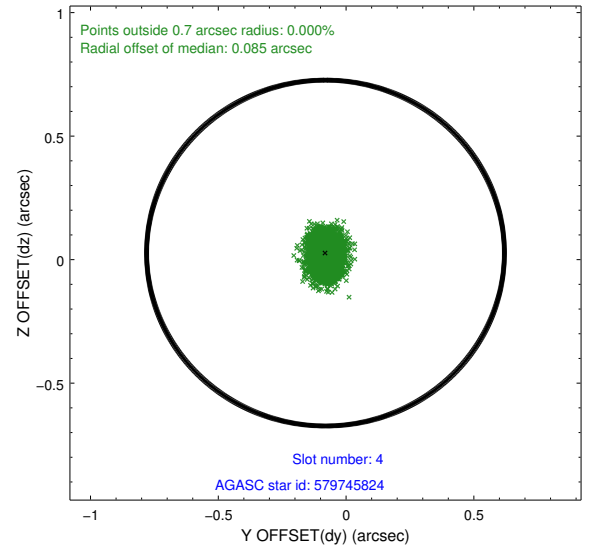
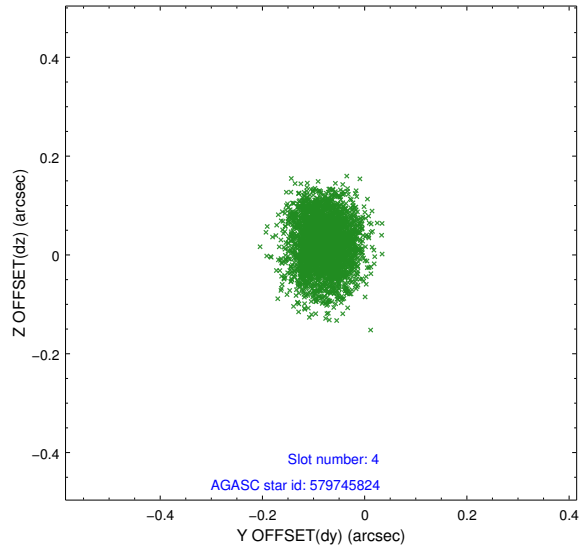
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1450	-0.021	-0.018	0.006	0.010	0.000000	0.000000	-753.16	-1725.30
1	FID	ACIS-S-4	7.21	1450	0.029	0.015	0.005	0.009	0.000000	0.000000	2159.68	182.10
2	FID	ACIS-S-5	7.24	1450	-0.039	0.011	0.007	0.011	0.000000	0.000000	-1804.67	176.96
3	GUIDE	579739488	8.06	2900	-0.018	-0.087	0.059	0.093	248.280801	70.616878	535.38	294.20
4	GUIDE	579745824	8.19	2899	-0.081	0.027	0.066	0.107	250.088877	70.237575	-1581.04	-1168.15
5	GUIDE	579737248	8.22	2900	0.048	-0.087	0.057	0.089	248.298145	70.578372	399.95	331.56
6	GUIDE	579742240	9.58	2898	0.108	0.102	0.112	0.177	248.342106	71.104022	2106.60	-488.39
7	GUIDE	579743712	9.50	2895	-0.058	0.053	0.084	0.136	248.638856	70.070449	-1437.46	697.65

2.4 Star Slots

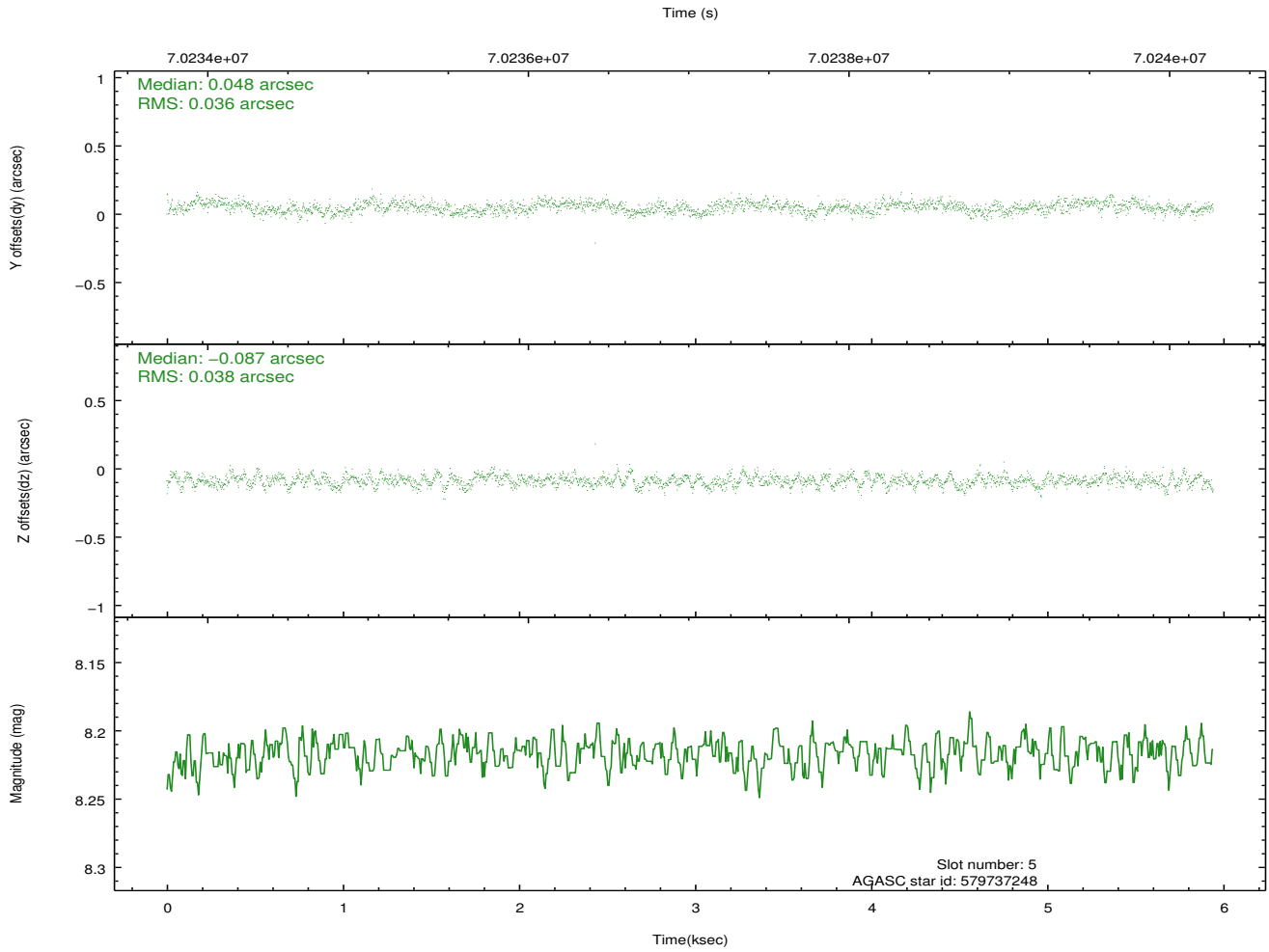
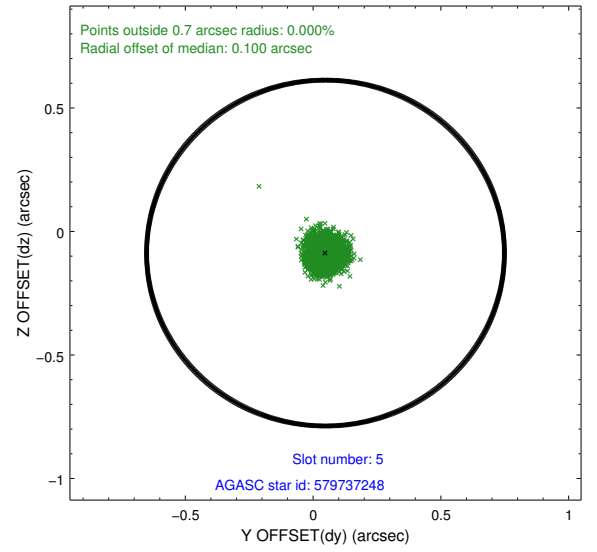
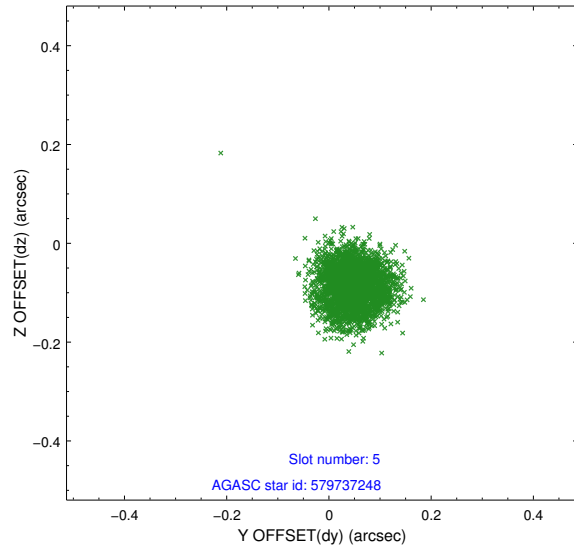
2.4.1 Slot 3



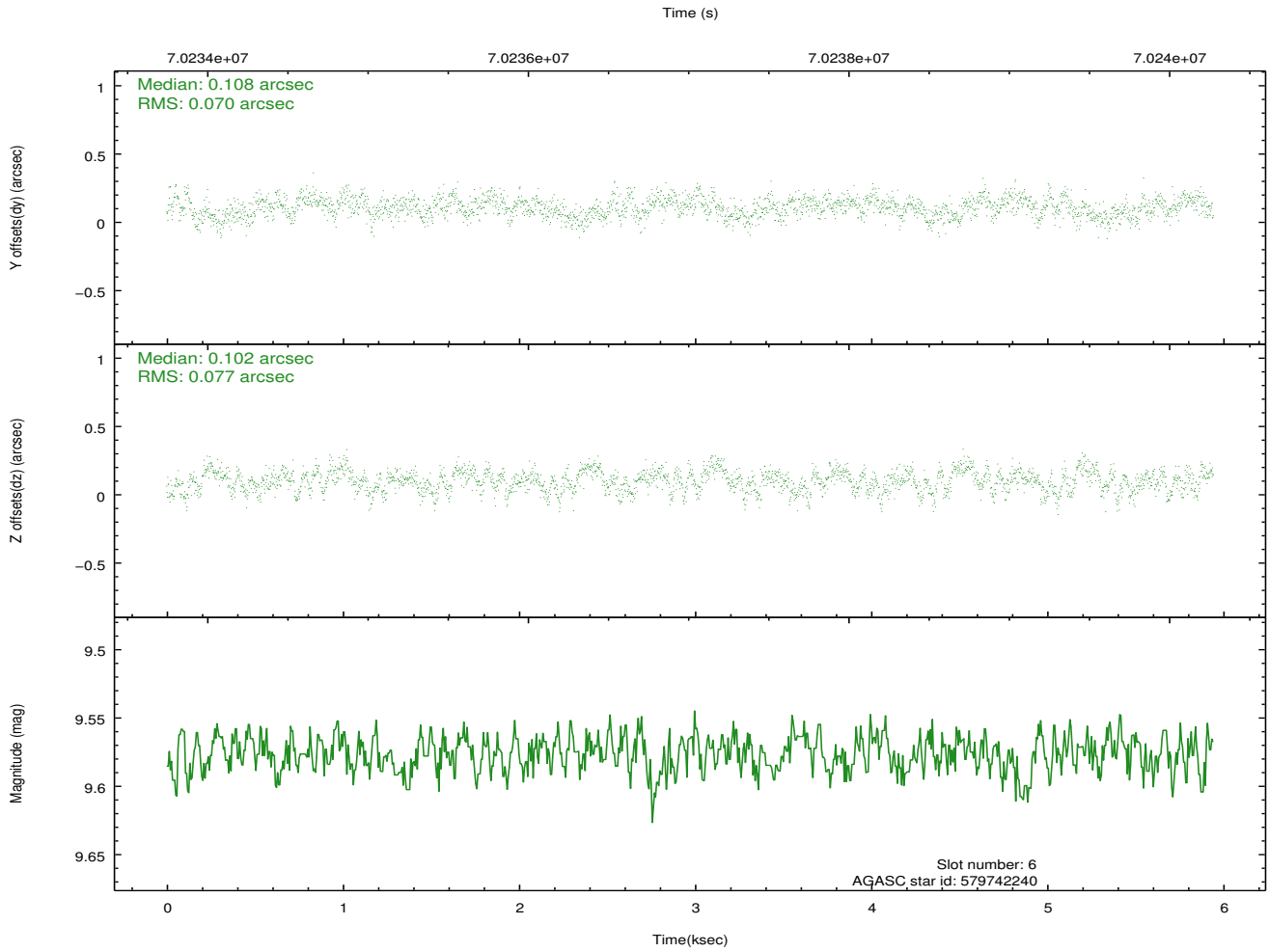
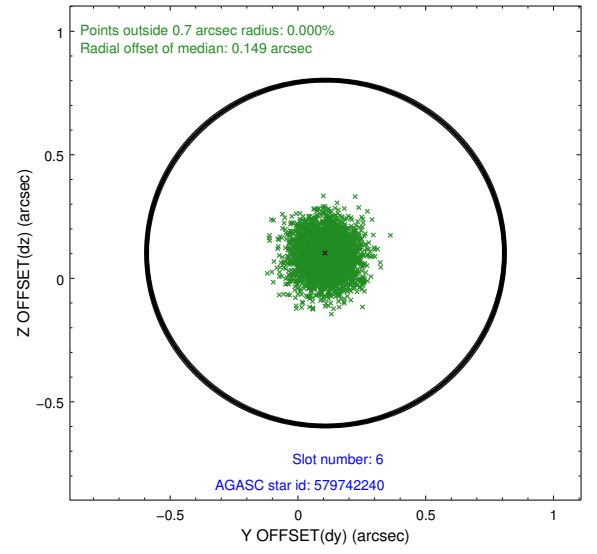
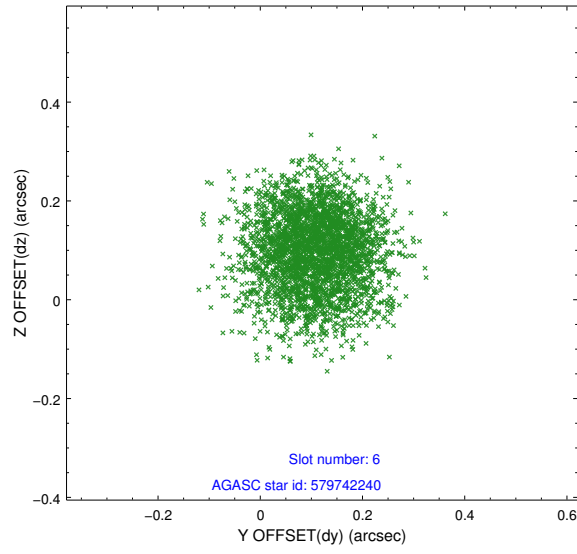
2.4.2 Slot 4



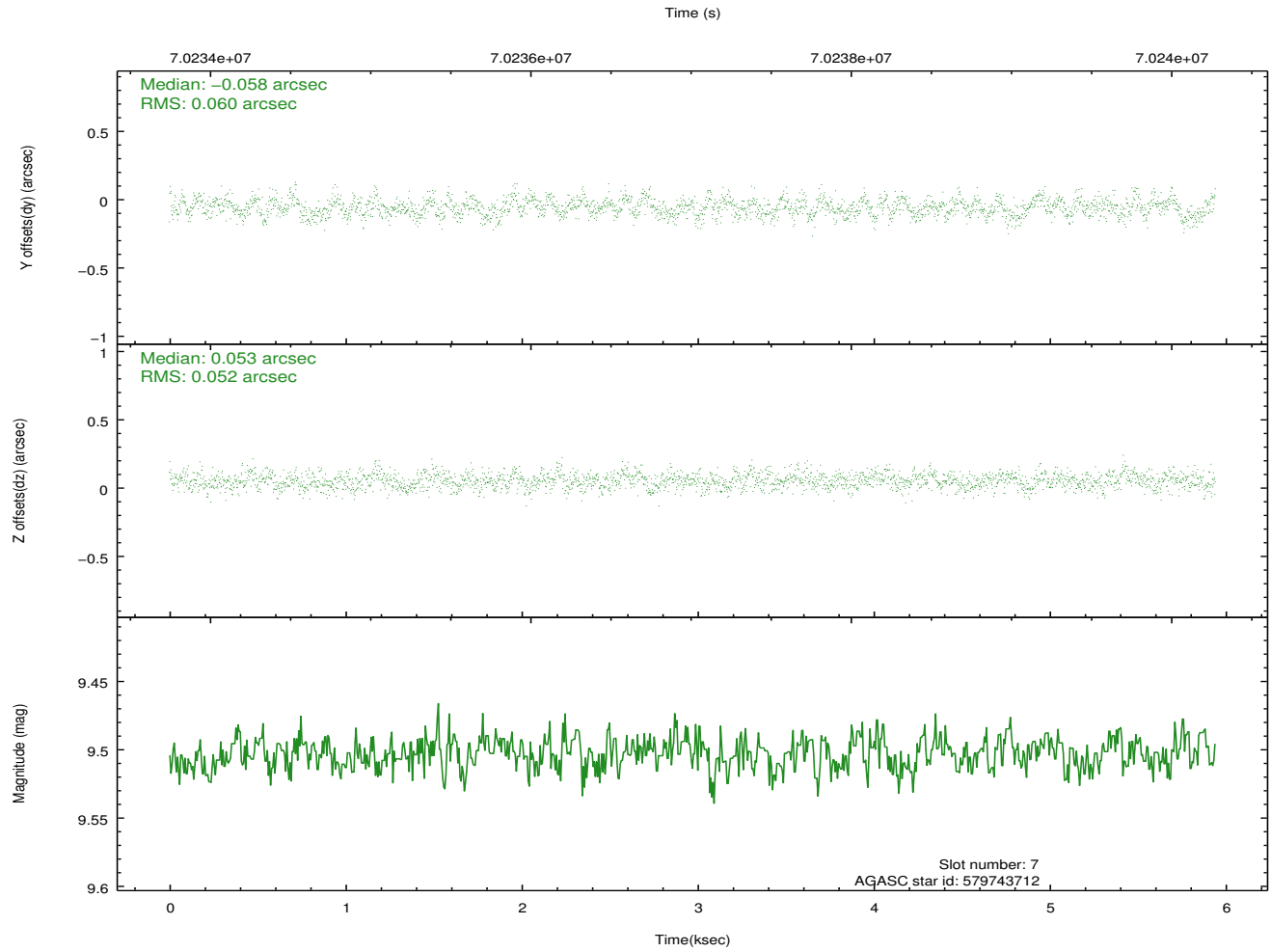
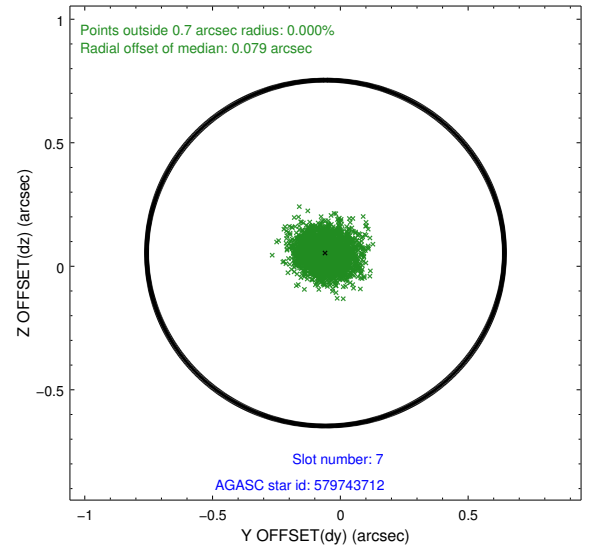
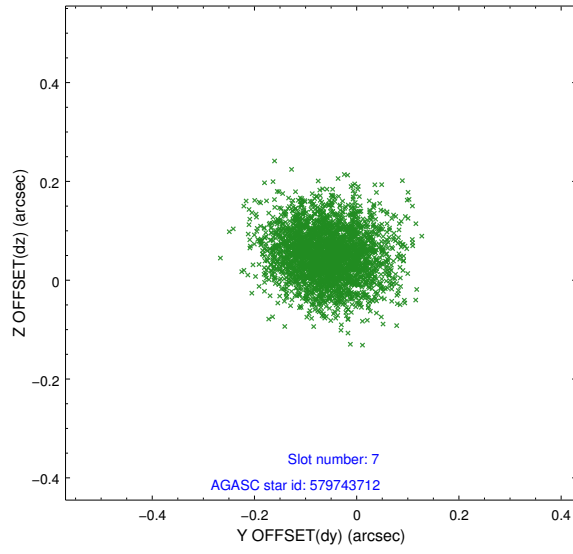
2.4.3 Slot 5



2.4.4 Slot 6

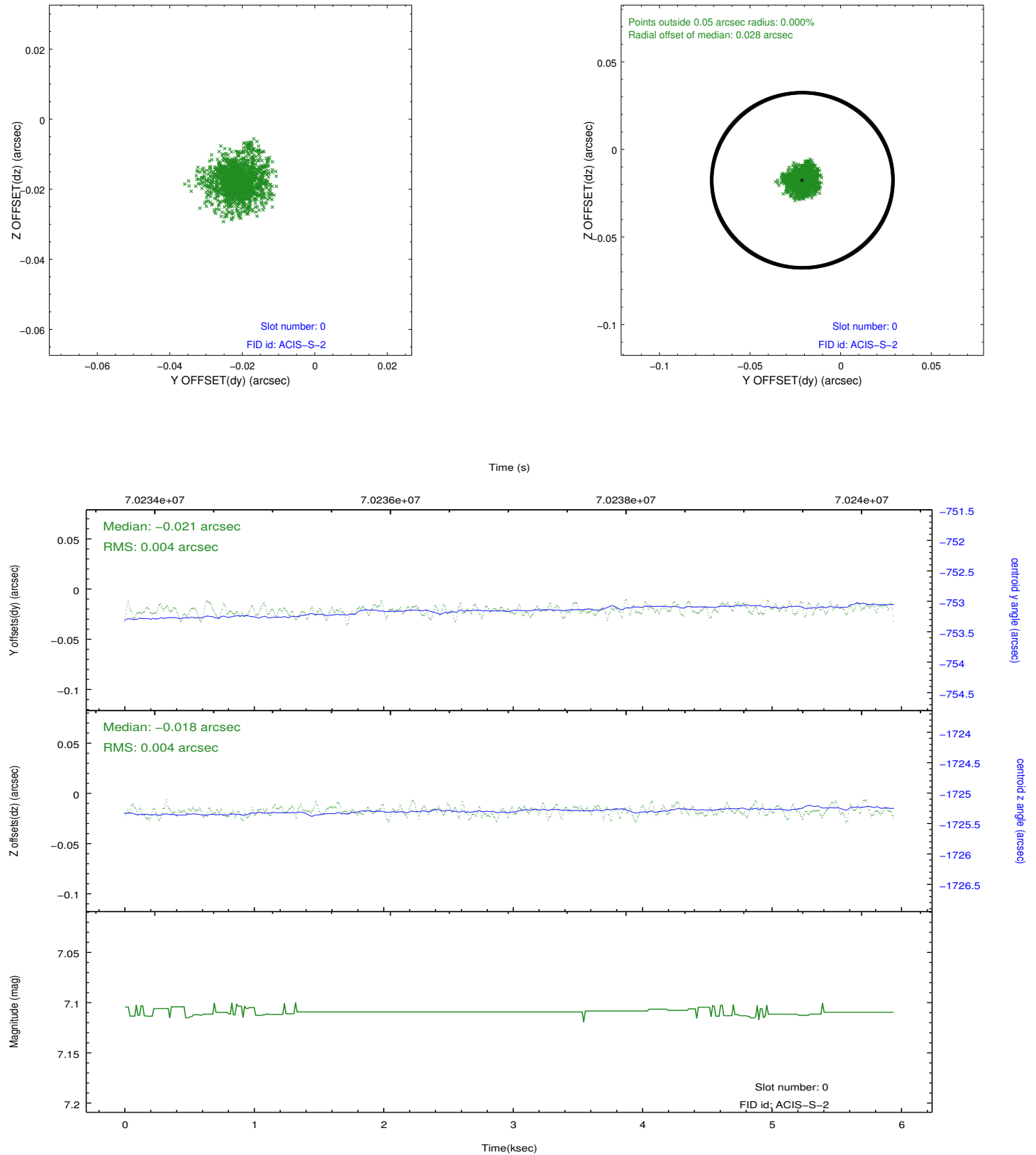


2.4.5 Slot 7

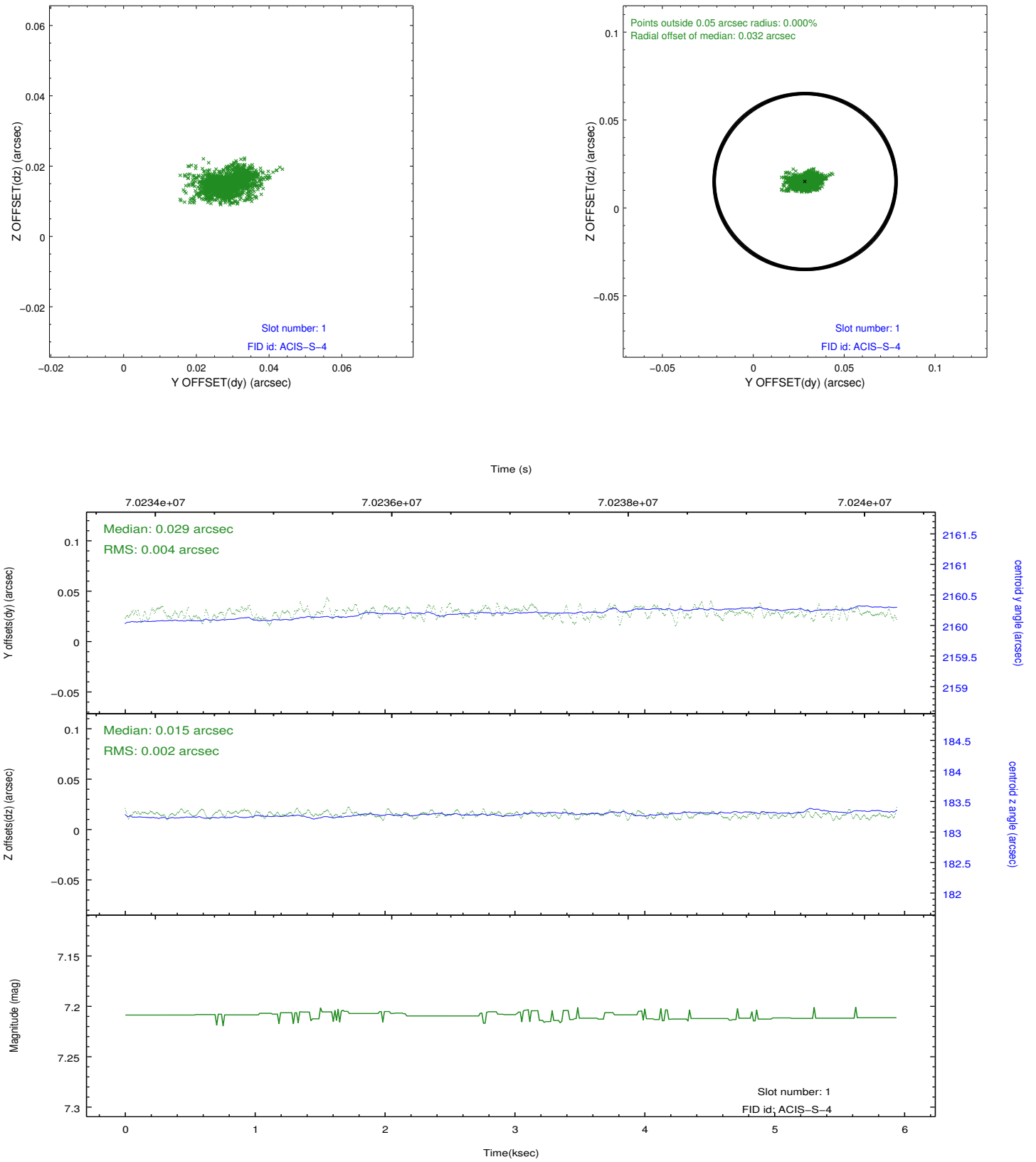


2.5 FID Slots

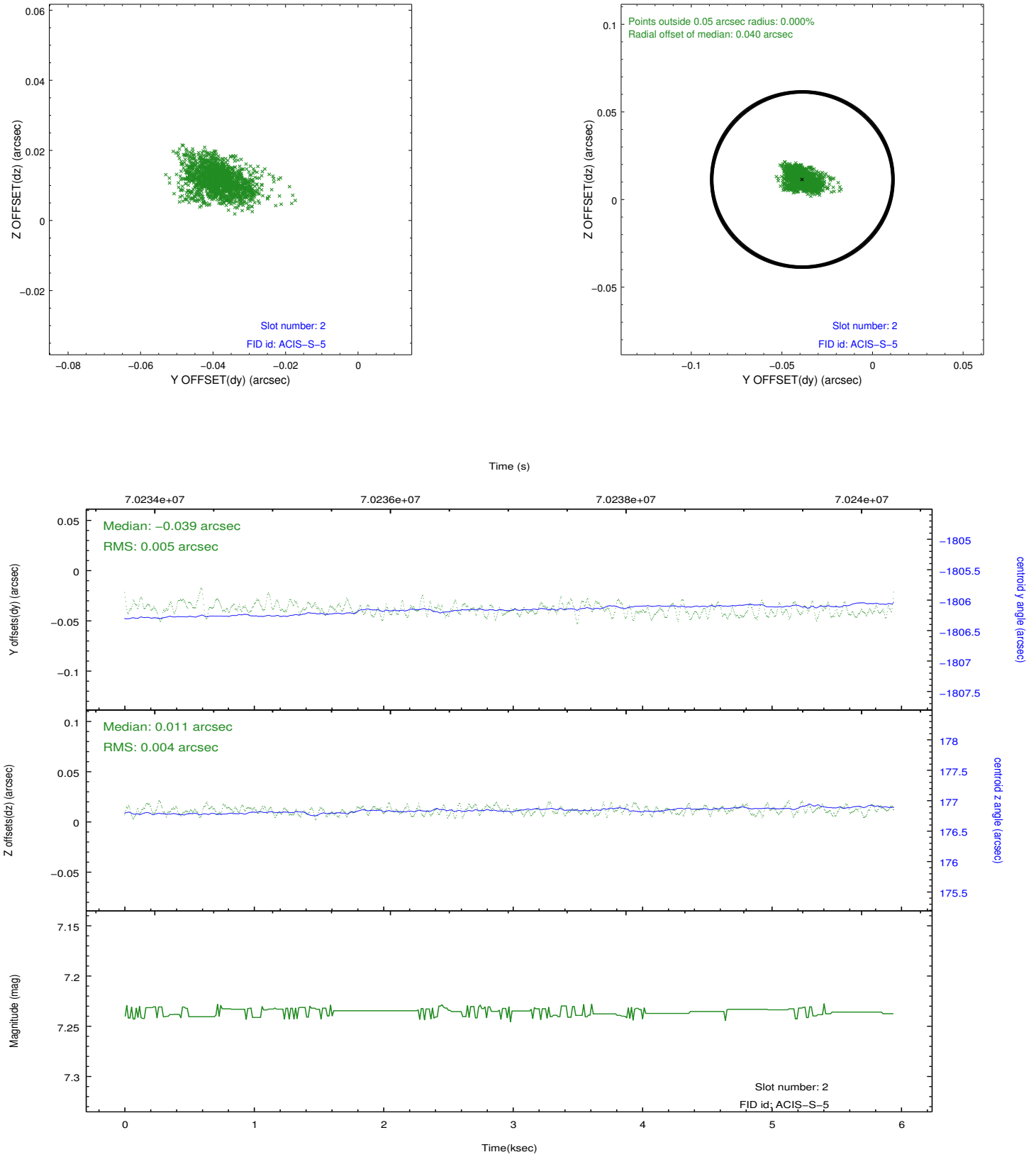
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.08.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.942

A.2 Comments