

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3877 - L2 Version 3
Chandra X-Ray Center

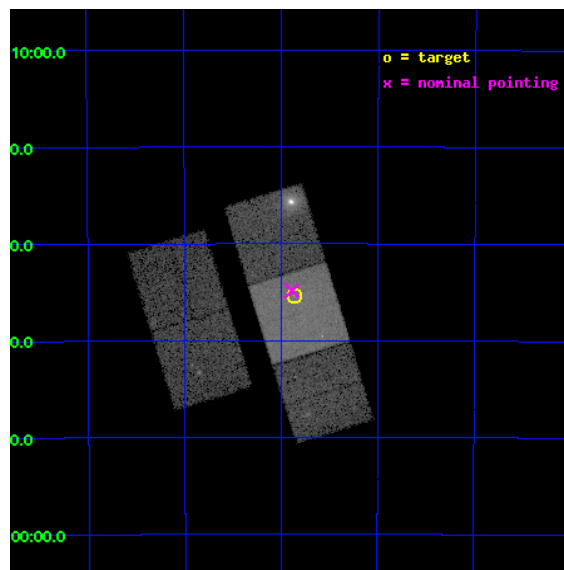
L2 Processing Date : Oct 24 2012

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1 Front

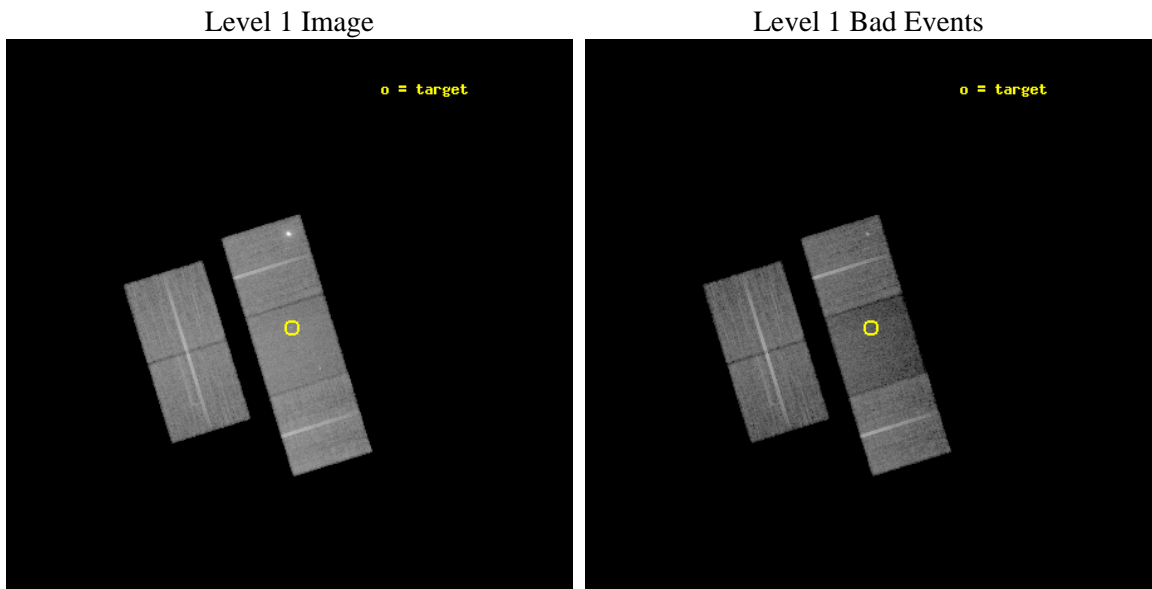
seq_num	500356	Sequence number
obs_id	3877	Observation id
title	UNRAVELING THE COOLING TREND OF A MAGNETAR: STUDY OF SOFT GAMMA REPEATER SGR 1627-41	Proposal title
observer	Dr. CHRYSSEA KOUVELIOTOU	Principal investigator
object	SGR 1627-41	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	248.965833	Observer's specified target RA [deg]
dec_targ	-47.589806	Observer's specified target Dec [deg]
ra_nom	248.97237522085	Nominal RA [deg]
dec_nom	-47.581253724242	Nominal Dec [deg]
roll_nom	72.847930500066	Nominal Roll [deg]
revision	3	Processing version of data
ontime	26005.647452772	Sum of GTIs [s]
livetime	25665.864523722	Livetime [s]
ontime2	26002.342322499	Sum of GTIs [s]
ontime3	26005.565372765	Sum of GTIs [s]
ontime6	26005.606412768	Sum of GTIs [s]
ontime7	26005.647452772	Sum of GTIs [s]
ontime8	26002.383342624	Sum of GTIs [s]
l2events	130928	Number of level 2 events



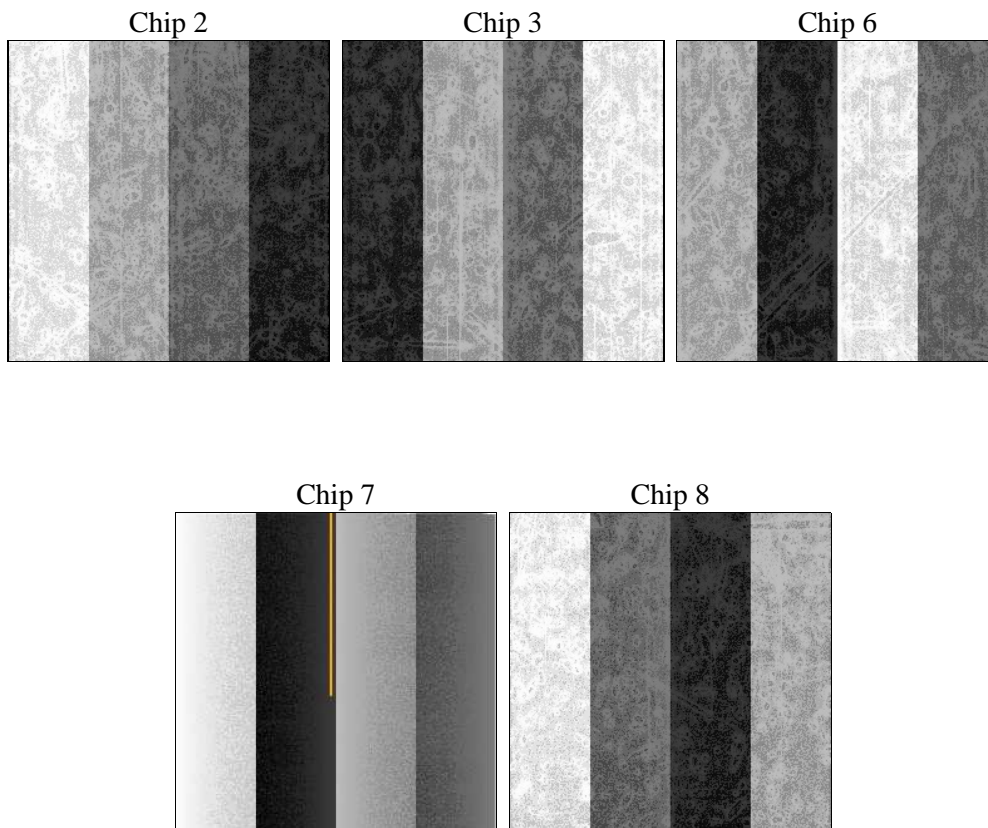
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25900.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	26005.647452772	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	26002.342322499	Sum of GTIs [s]
date	2012-10-24T21:25:55	Date and time of file creation	ontime3	26005.565372765	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	26005.606412768	Sum of GTIs [s]
			ontime7	26005.647452772	Sum of GTIs [s]
			ontime8	26002.383342624	Sum of GTIs [s]
			l1events	718930	Number of level 1 events

2.1.4 Events

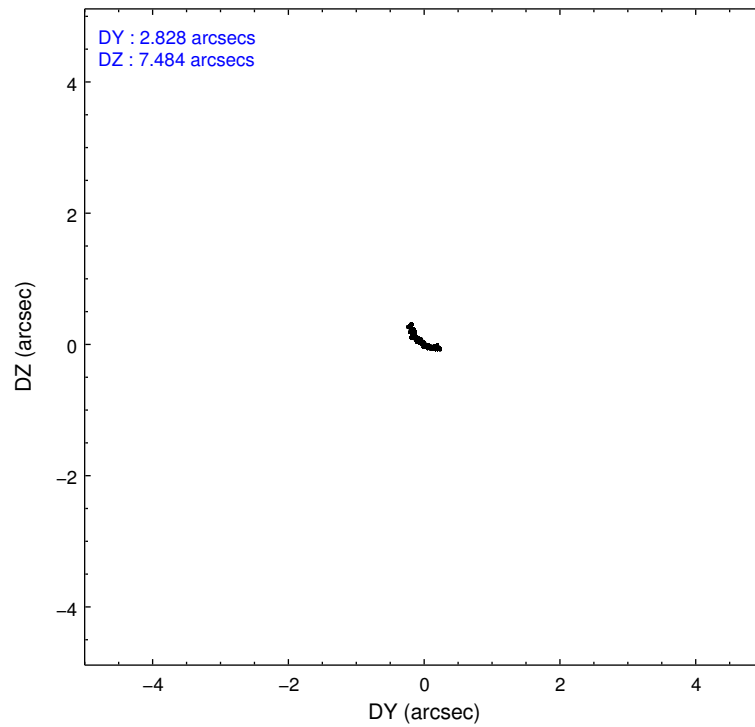
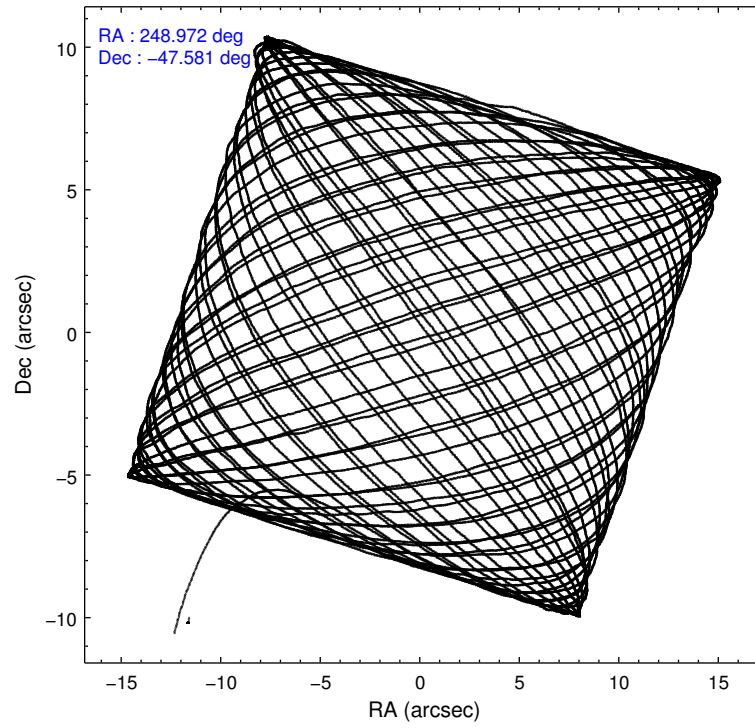
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	137917	131012	156490	129380	164131
rejected events	124735	117745	122710	65712	131835
rejected %	90%	89%	78%	50%	80%

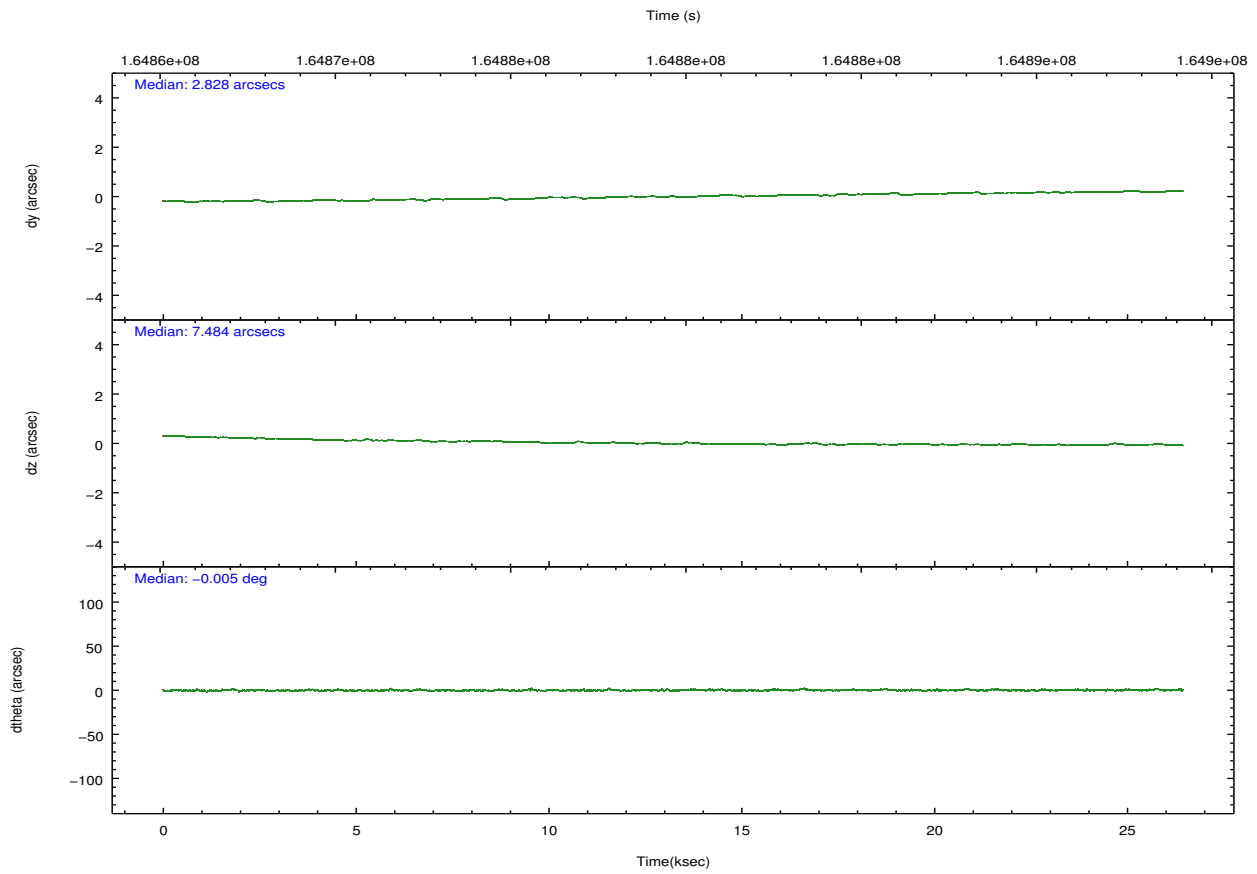
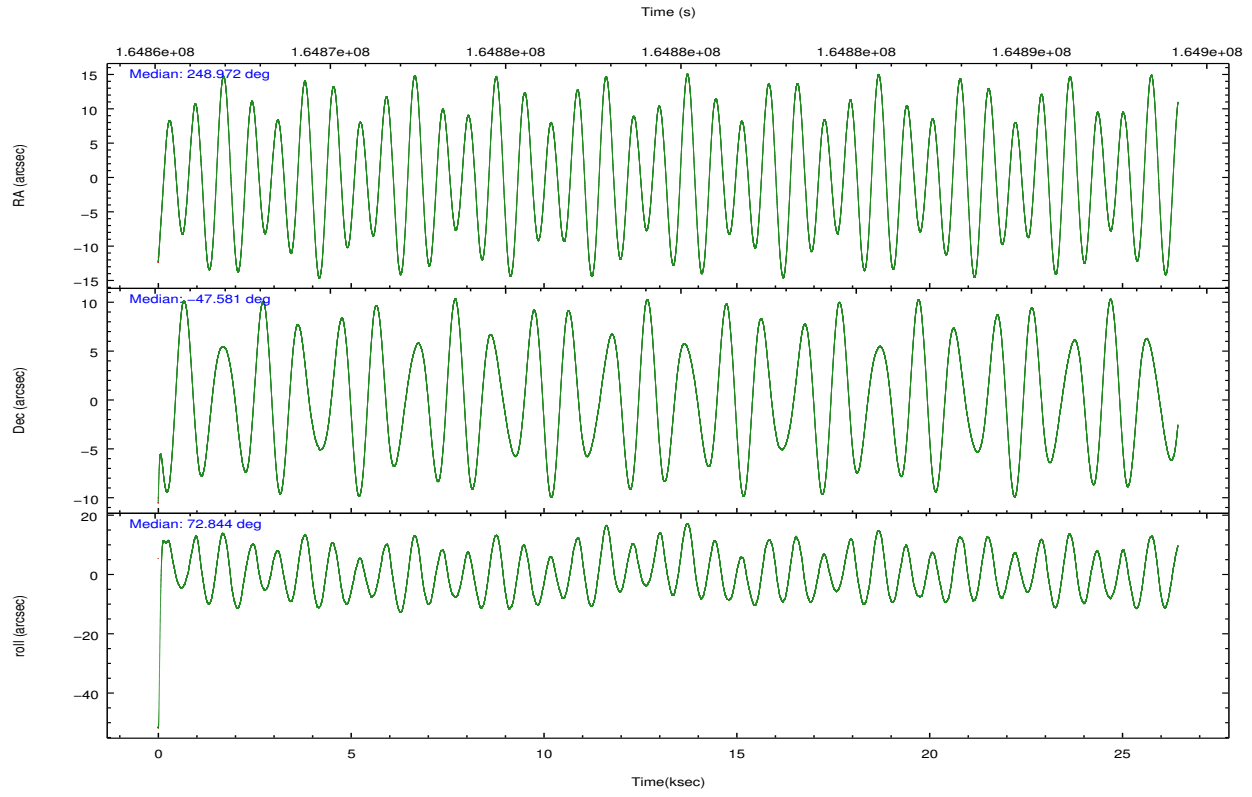
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	5005	5409	15362	6328	8134
	3%	4%	9%	4%	4%
grade 1 events	58	87	139	98	88
	0%	0%	0%	0%	0%
grade 2 events	2968	2621	6389	12450	7363
	2%	2%	4%	9%	4%
grade 3 events	1509	1514	2745	5916	3583
	1%	1%	1%	4%	2%
grade 4 events	1437	1413	2719	5949	3345
	1%	1%	1%	4%	2%
grade 5 events	3660	4468	4808	13586	6627
	2%	3%	3%	10%	4%
grade 6 events	2265	2313	6575	33044	9874
	1%	1%	4%	25%	6%
grade 7 events	121015	113187	117753	52009	125117
	87%	86%	75%	40%	76%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	248.981902	248.9723752208511	Subarray requested	NONE	NONE
[deg] Pointing Dec	-47.607673	-47.58125372424224	Alternating exposures requested	N	N
[deg] Pointing Roll	72.698364	72.84793050006627	[s] Primary exposure time	0.000000	3.1
[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)	164866952.184000	164865807.71532			
Observation start date	2003-03-24T04:21:28	2003-03-24T04:03:27			
[s] Observation end time (MET)	164892852.184000	164893870.1665			
Observation end date	2003-03-24T11:33:08	2003-03-24T11:51:10			
Read mode	TIMED	TIMED			

2.3 Aspect



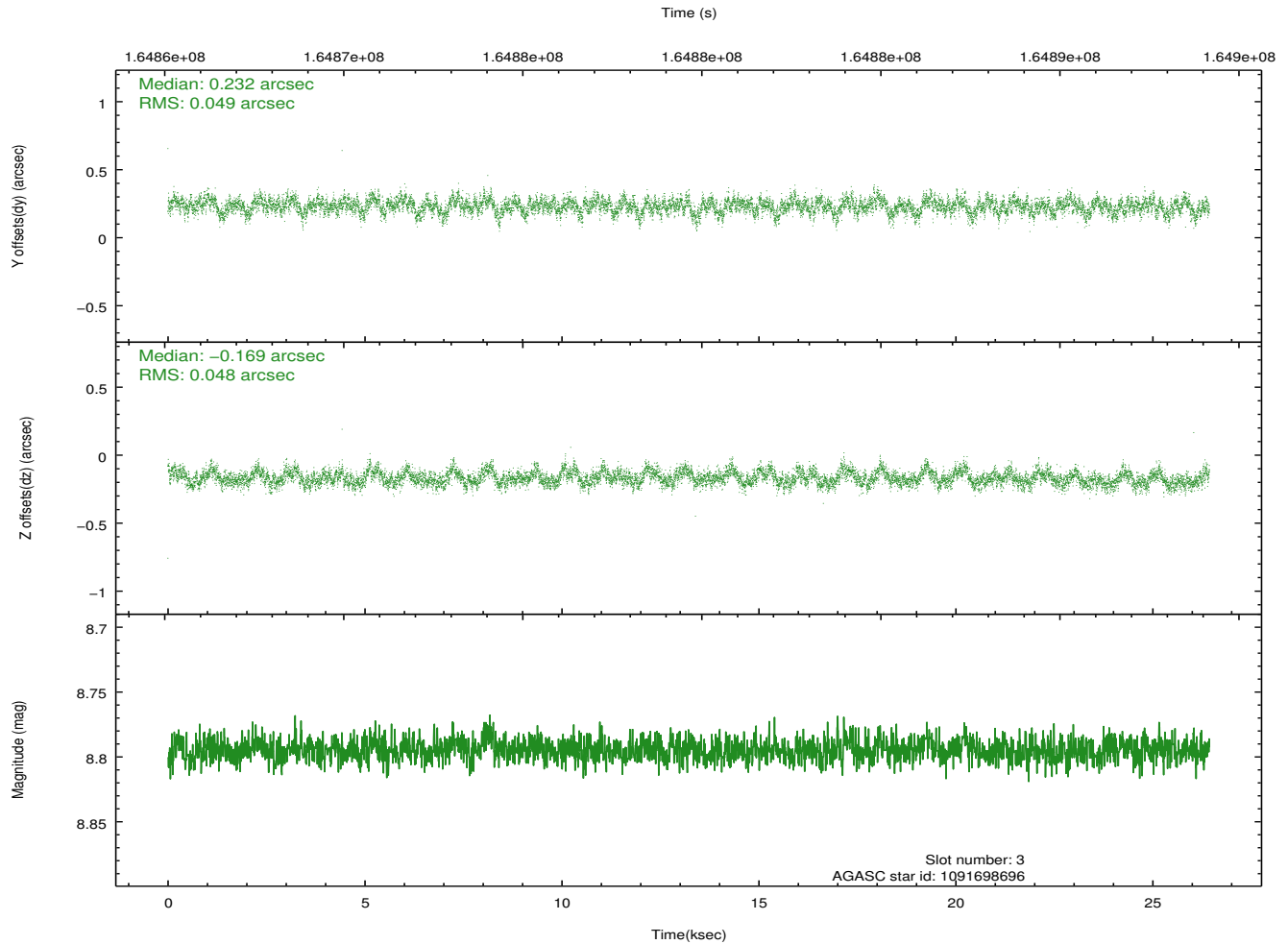
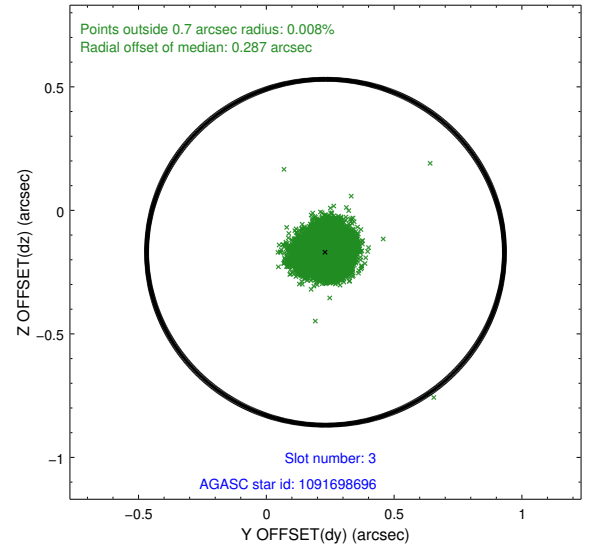
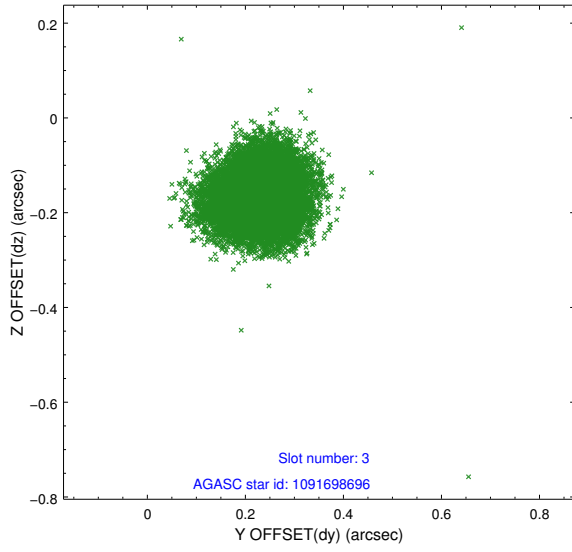


Slot Statistics

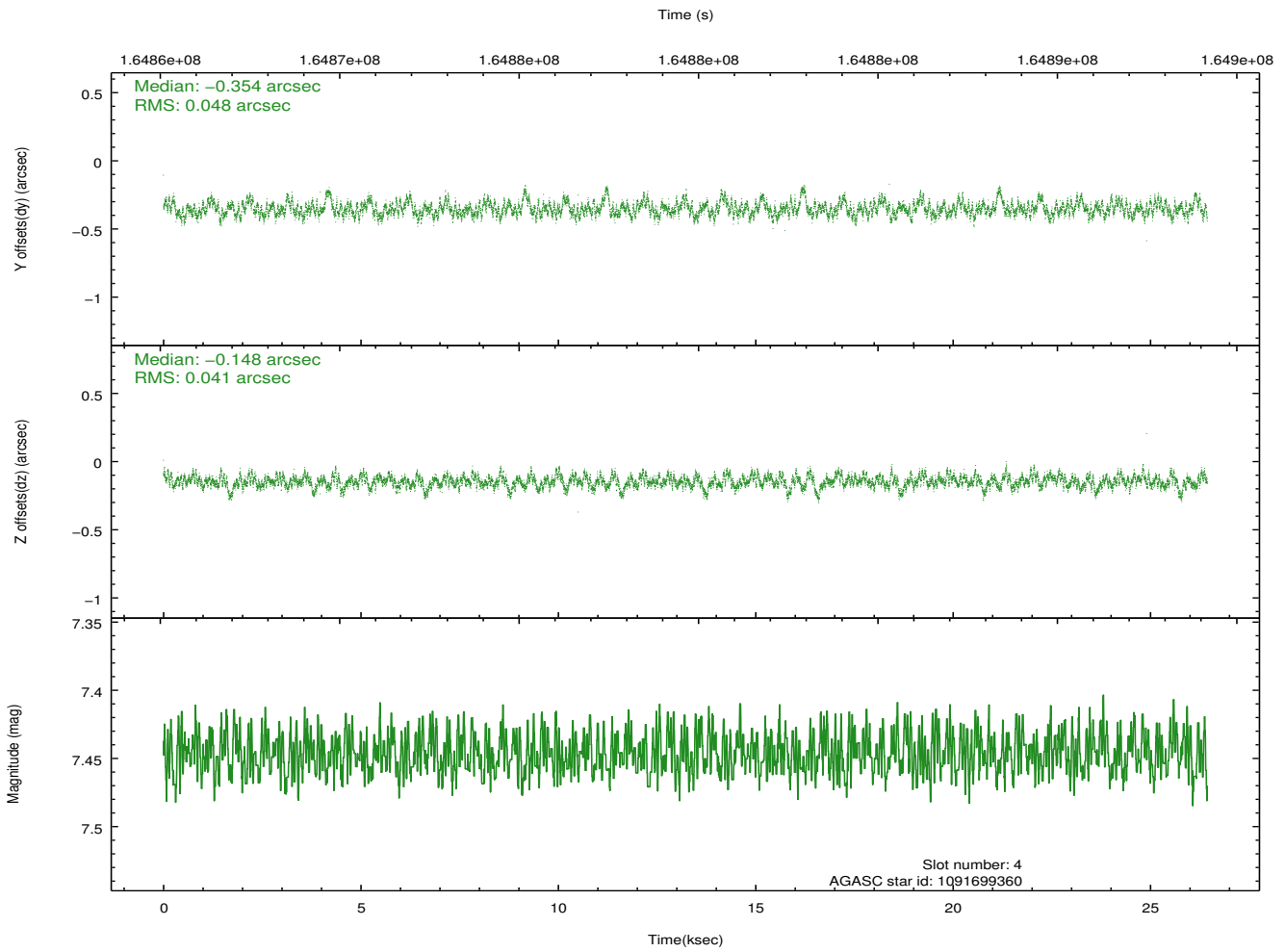
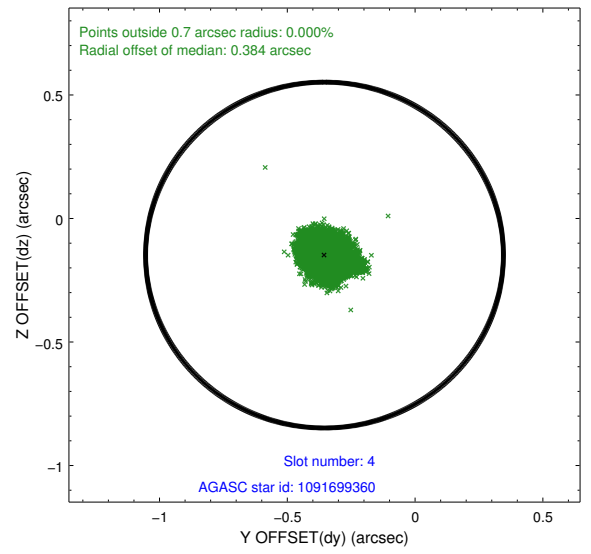
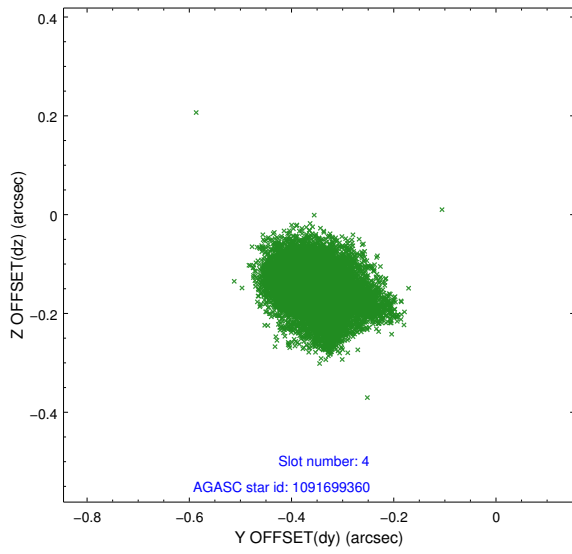
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	6450	0.060	-0.035	0.008	0.014	0.000000	0.000000	940.60	-1724.33
1	FID	ACIS-S-2	7.12	6450	-0.053	0.027	0.007	0.011	0.000000	0.000000	-755.35	-1728.90
2	FID	ACIS-S-6	7.36	6450	-0.027	0.014	0.010	0.018	0.000000	0.000000	406.17	816.96
3	GUIDE	1091698696	8.79	12892	0.232	-0.169	0.073	0.117	248.529134	-48.079711	-1948.97	533.14
4	GUIDE	1091699360	7.45	12897	-0.354	-0.148	0.067	0.112	248.660725	-47.004364	1837.29	1398.35
5	GUIDE	1091703168	8.94	12890	-0.283	-0.103	0.069	0.111	249.174634	-47.078871	1957.64	115.04
6	GUIDE	1091720560	9.61	12890	0.279	0.084	0.110	0.185	248.877400	-48.256432	-2303.83	-455.52
7	GUIDE	1091698824	9.67	12849	0.124	0.343	0.140	0.224	249.742448	-48.178680	-1427.96	-2356.88

2.4 Star Slots

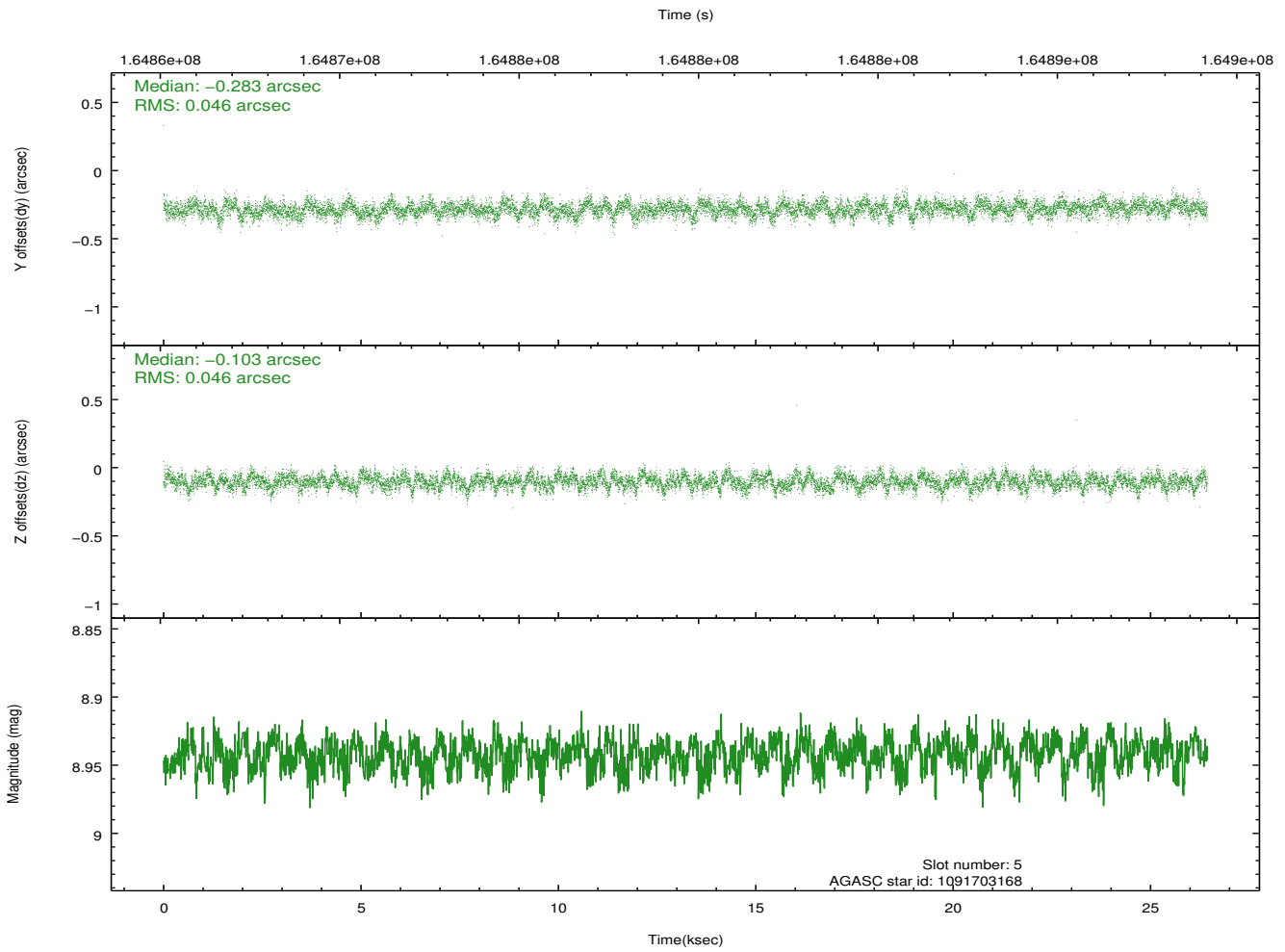
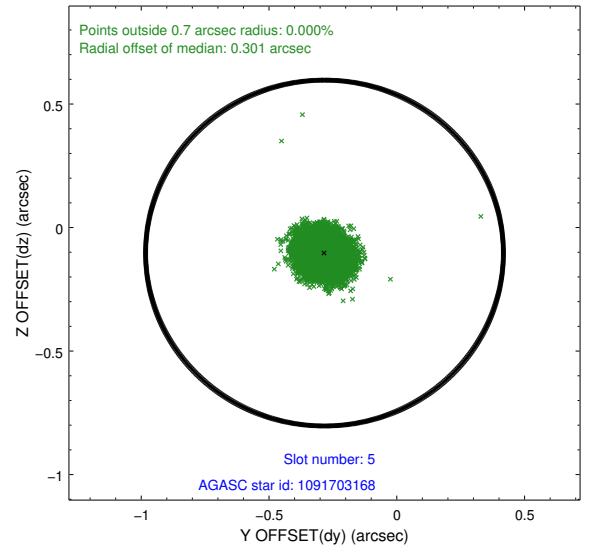
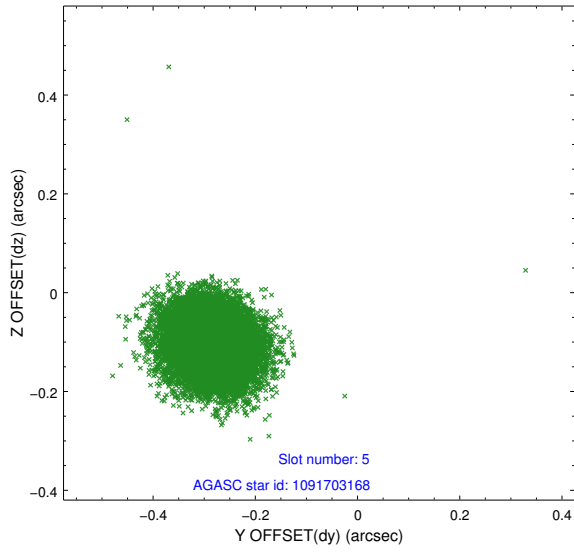
2.4.1 Slot 3



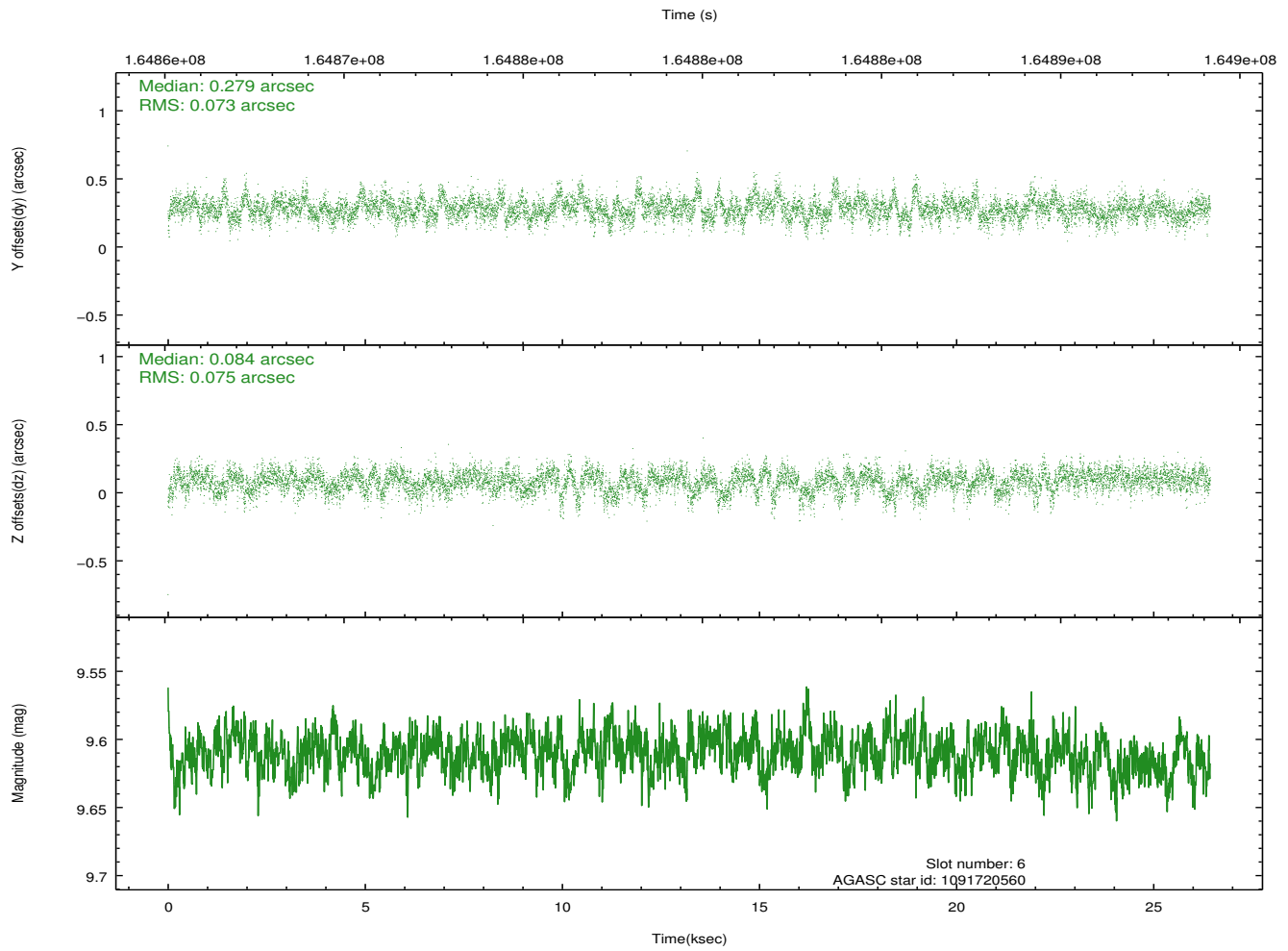
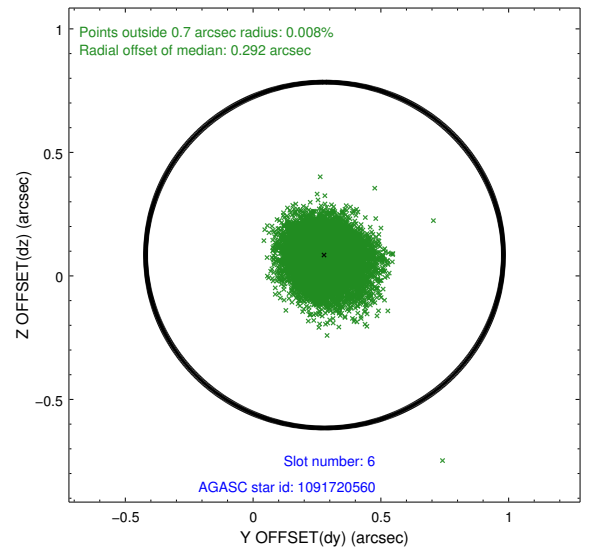
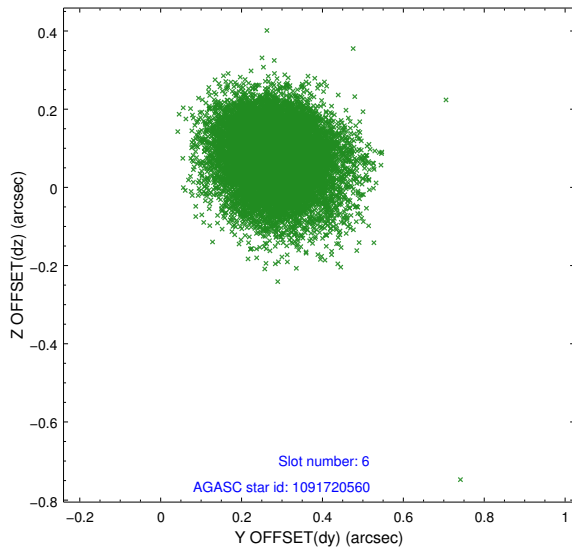
2.4.2 Slot 4



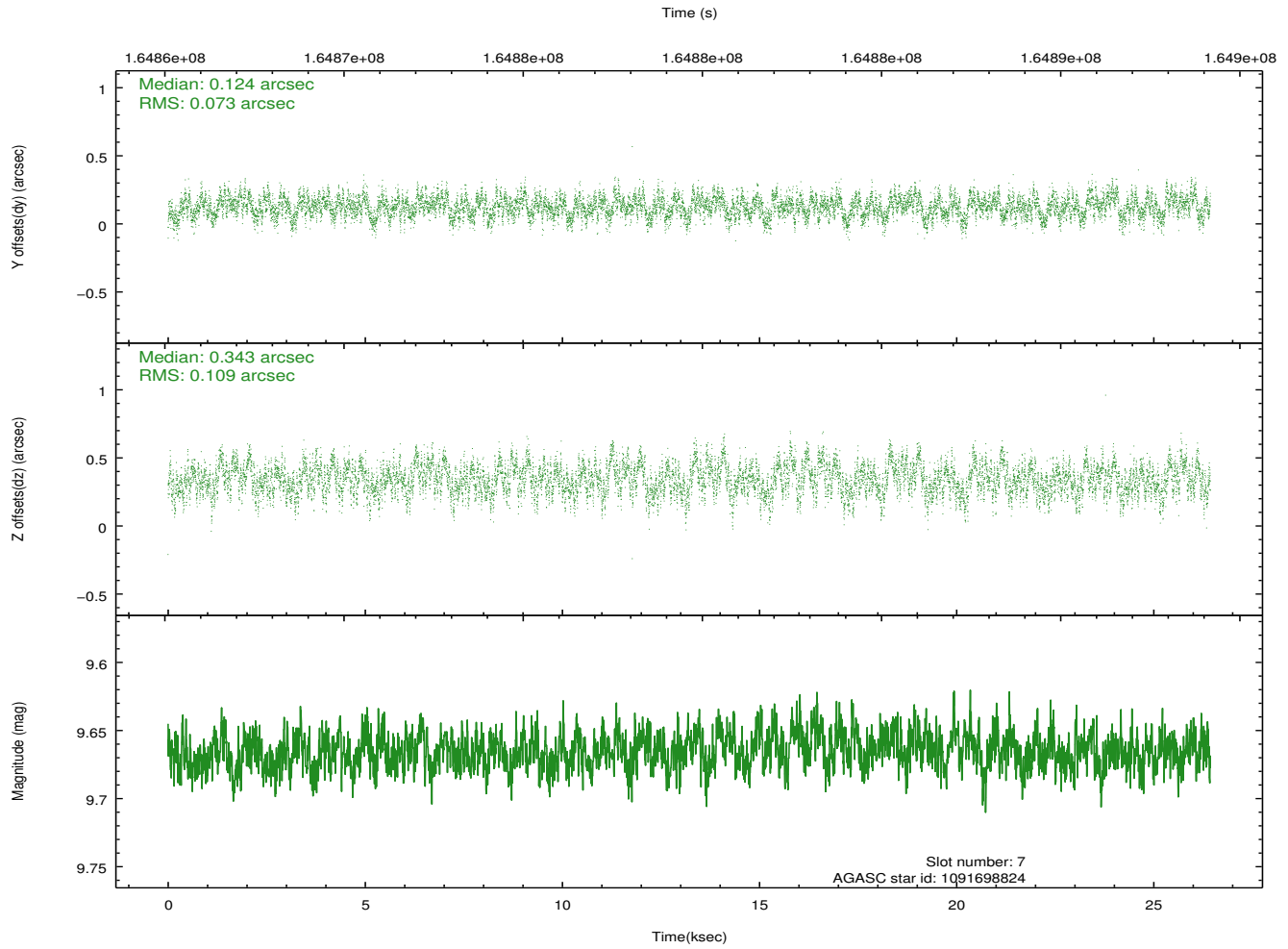
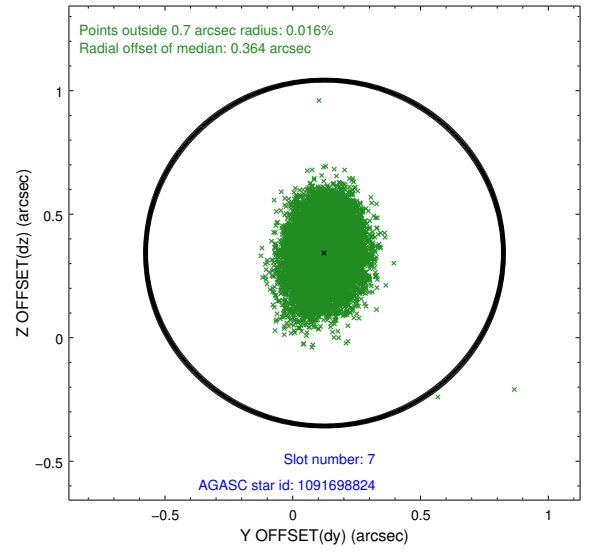
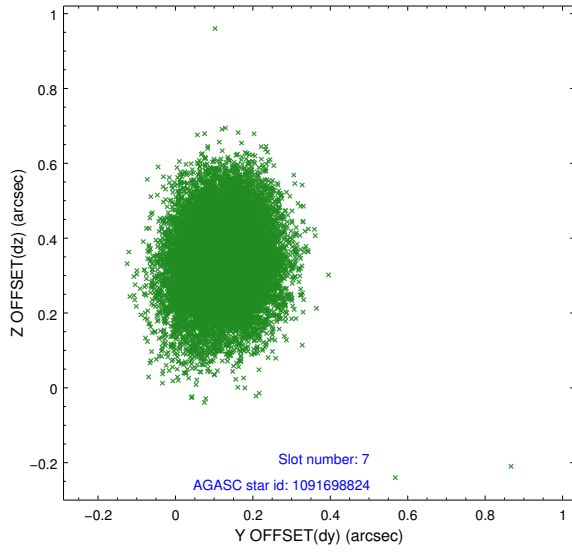
2.4.3 Slot 5



2.4.4 Slot 6

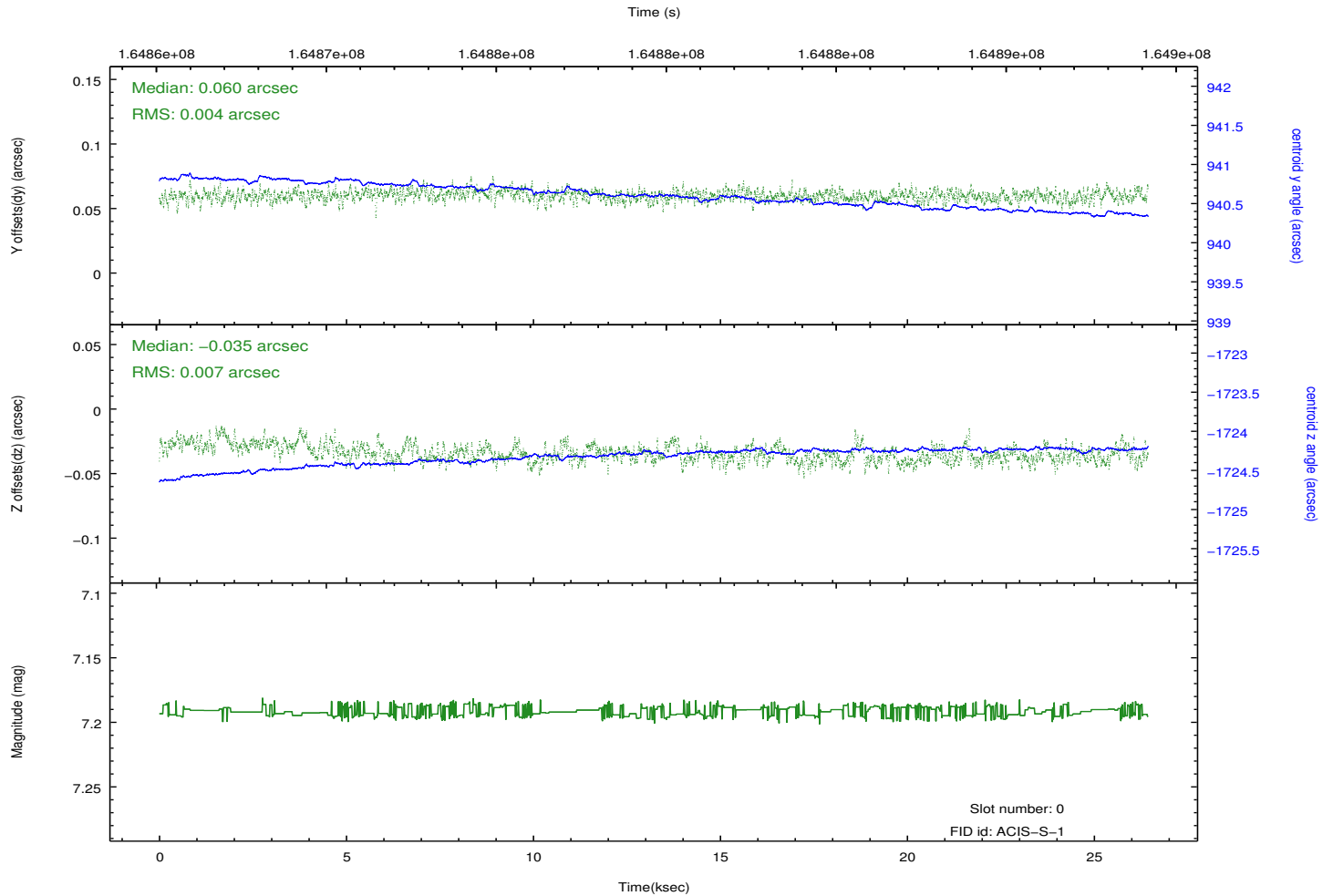
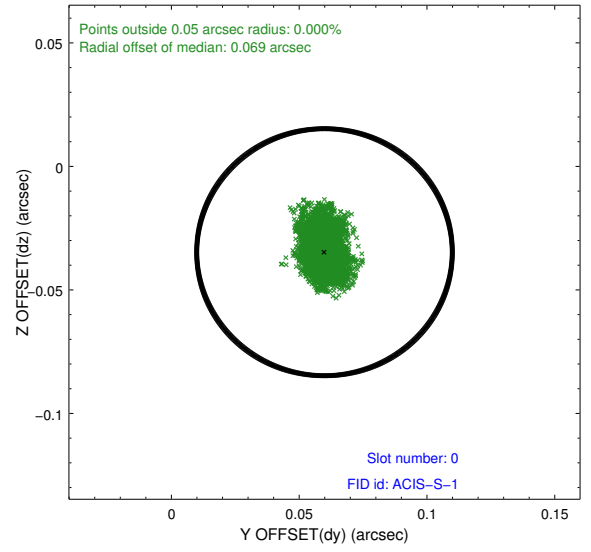
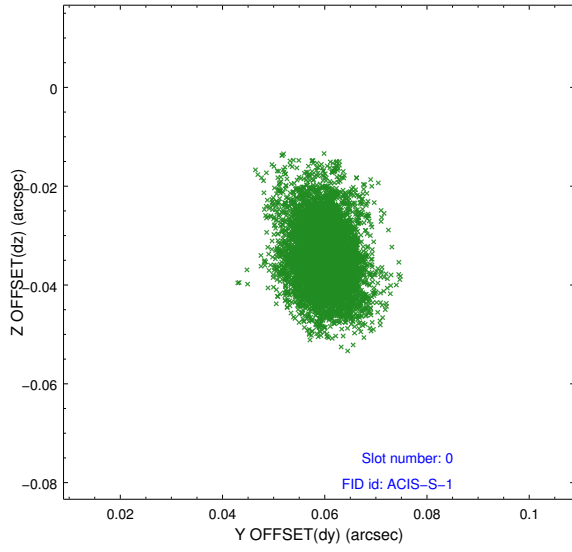


2.4.5 Slot 7

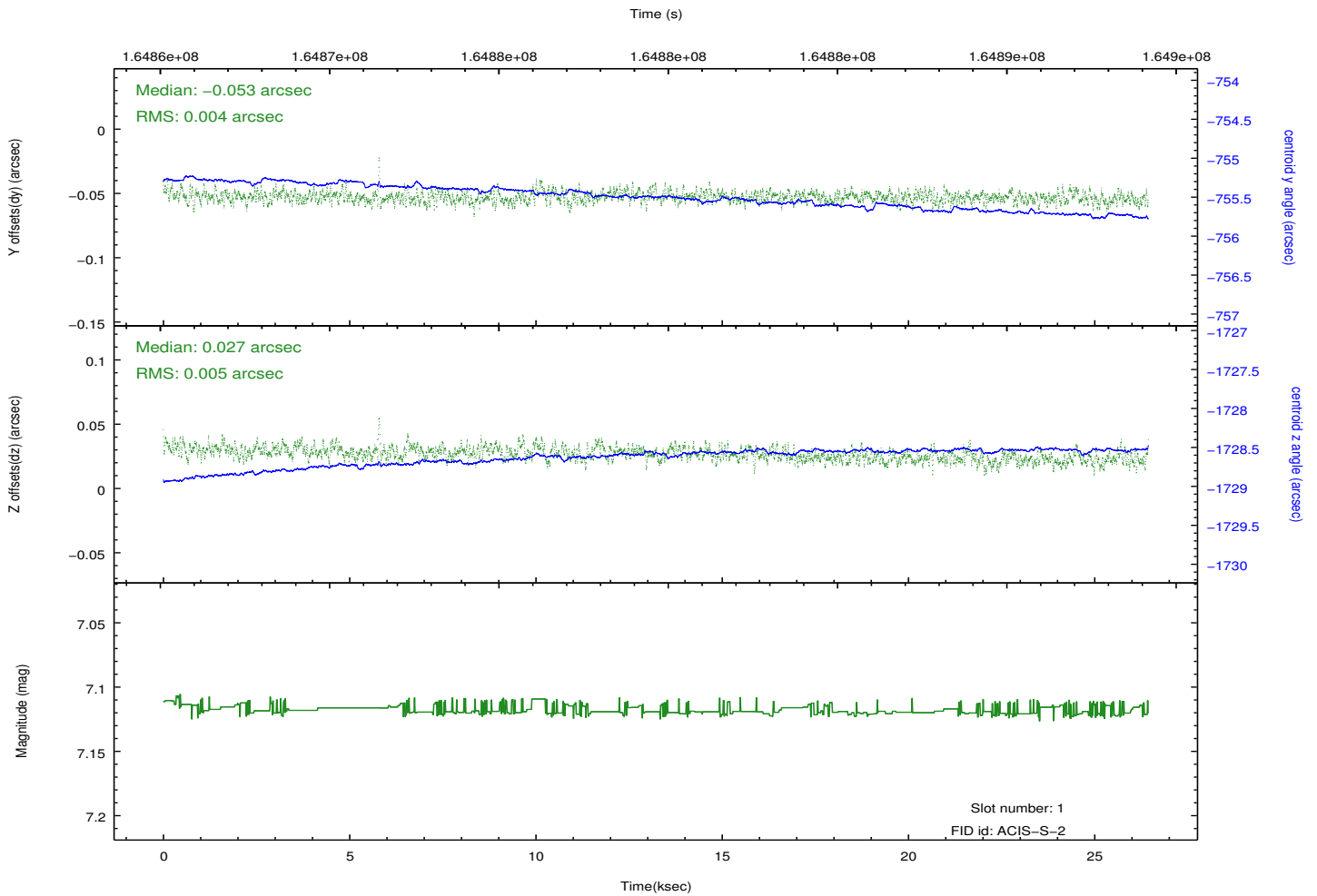
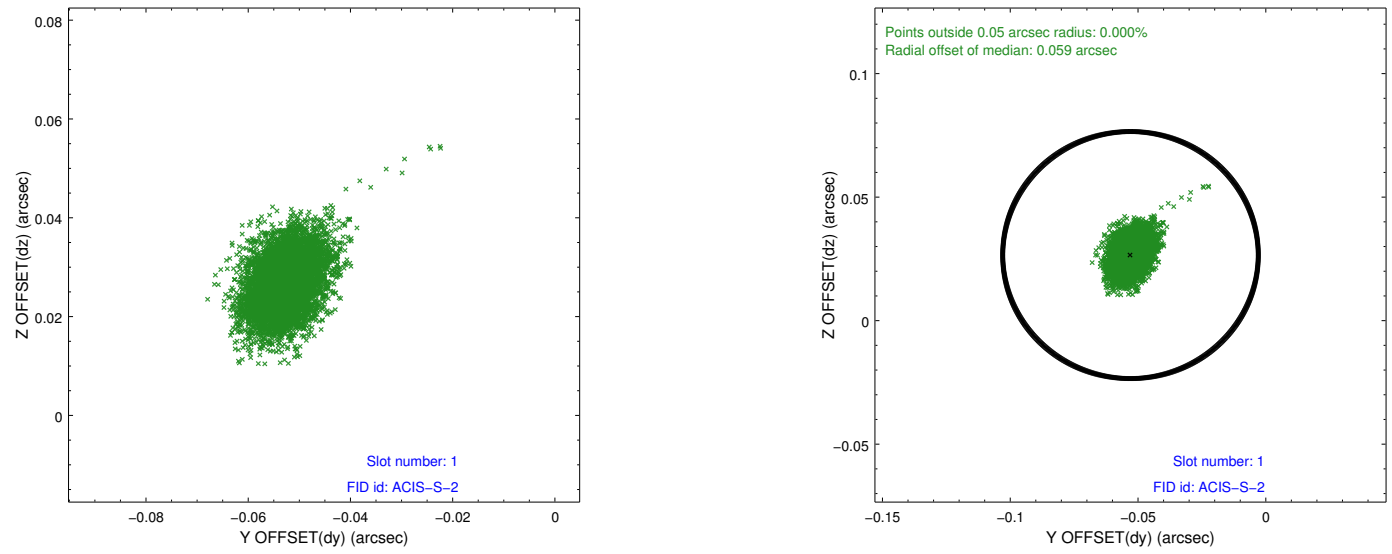


2.5 FID Slots

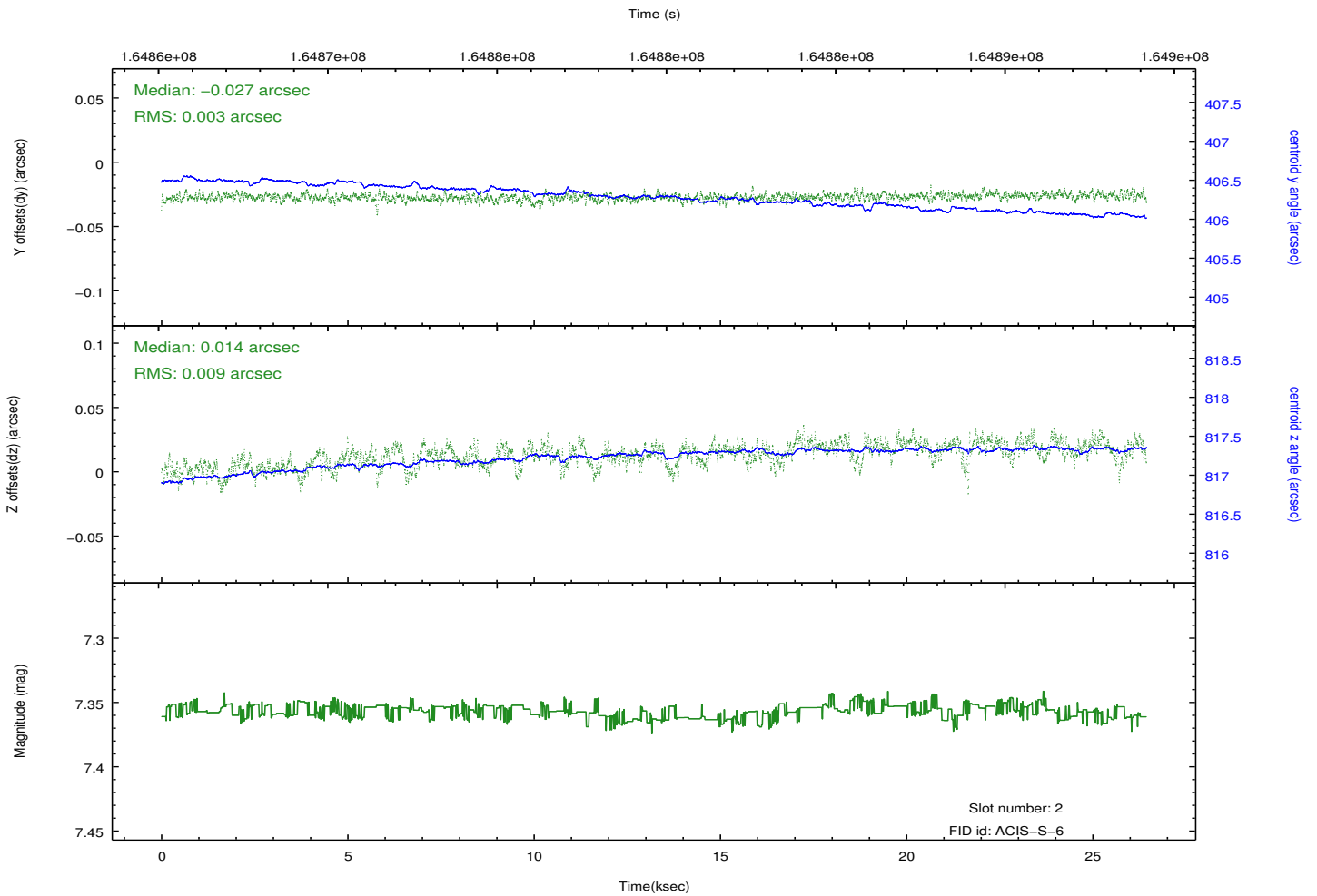
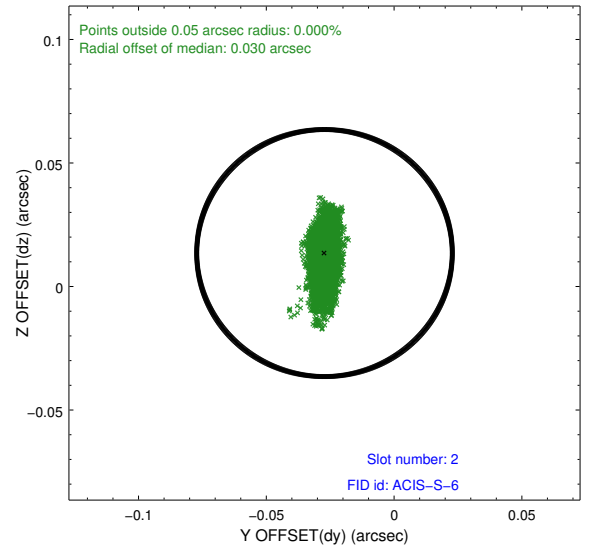
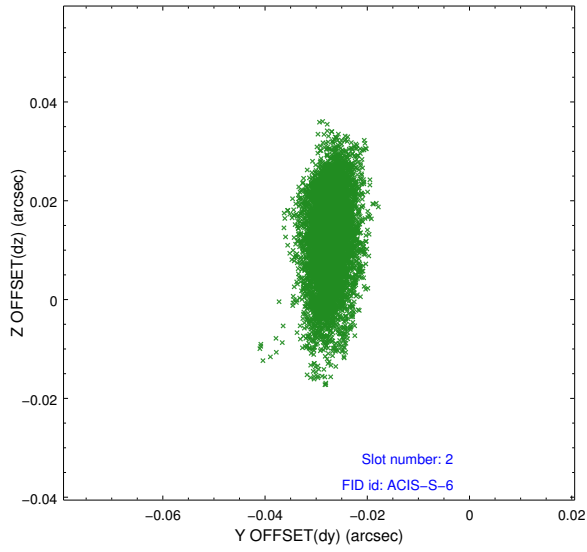
2.5.1 Slot 0



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)	2012.11.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	26

A.2 Comments