

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7726 - L2 Version 3
Chandra X-Ray Center

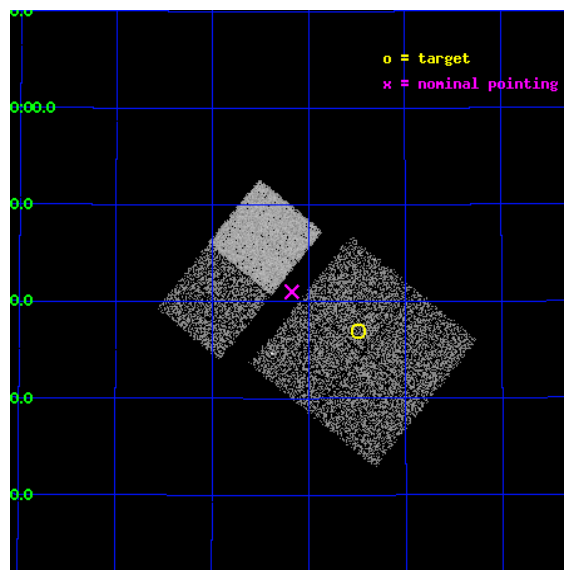
L2 Processing Date : Apr 15 2012

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1 Front

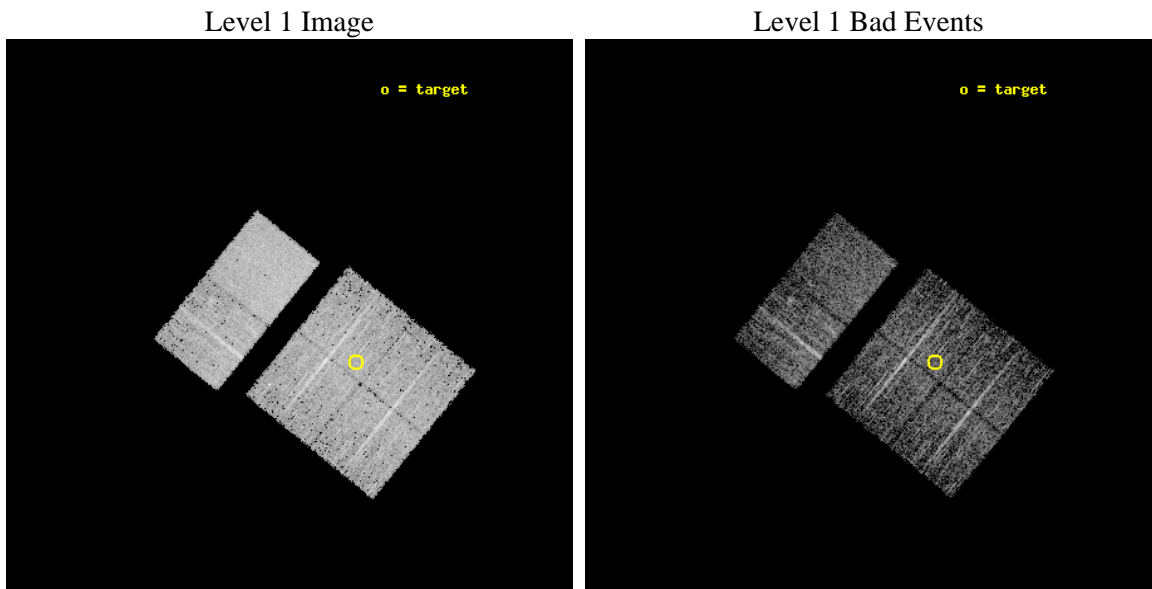
seq_num	701394	Sequence number
obs_id	7726	Observation id
title	Search for strongly obscured AGN: support for INTEGRAL all-sky hard X-ray survey	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	IGR J21343+4738	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	323.622083	Observer's specified target RA [deg]
dec_targ	47.617	Observer's specified target Dec [deg]
ra_nom	323.7937237964	Nominal RA [deg]
dec_nom	47.683661989537	Nominal Dec [deg]
roll_nom	309.08670034724	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3423.9999873042	Sum of GTIs [s]
liveltime	3380.6432377797	Livetime [s]
ontime0	3423.9999873042	Sum of GTIs [s]
ontime1	3423.9999873042	Sum of GTIs [s]
ontime2	3423.9999873042	Sum of GTIs [s]
ontime3	3423.9999873042	Sum of GTIs [s]
ontime6	3423.9999873042	Sum of GTIs [s]
ontime7	3423.9999873042	Sum of GTIs [s]
l2events	30052	Number of level 2 events



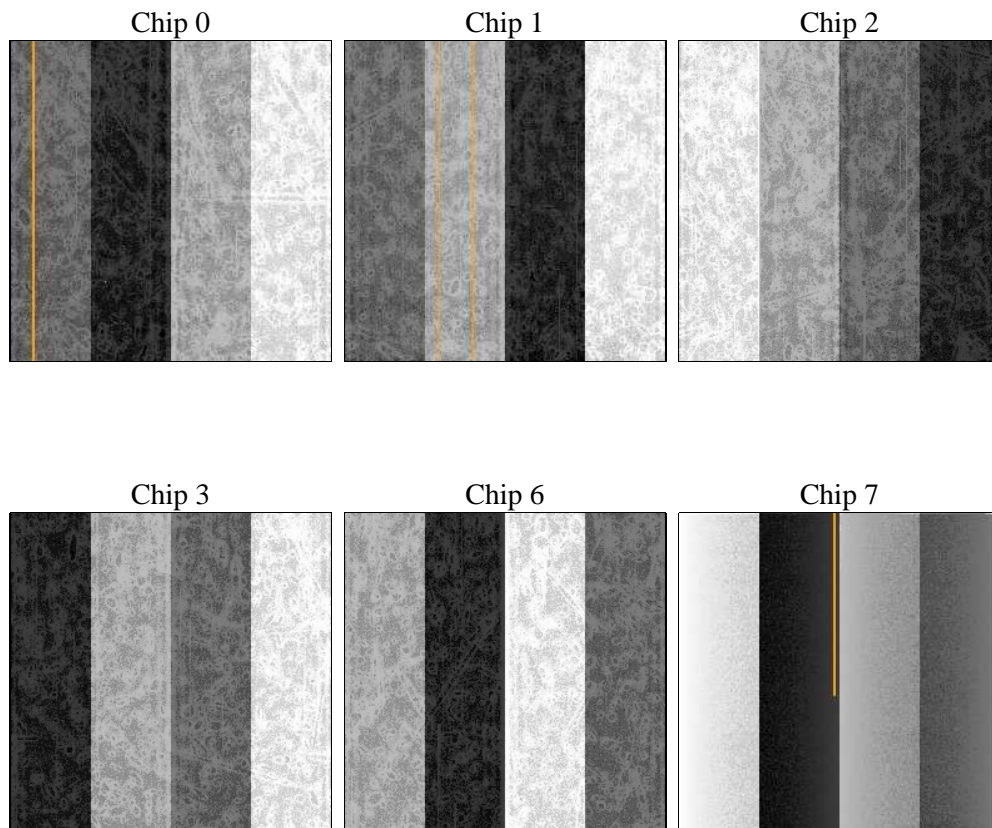
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3482.633000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	3423.9999873042	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	3423.9999873042	Sum of GTIs [s]
date	2012-04-15T14:41:03	Date and time of file creation	ontime1	3423.9999873042	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	3423.9999873042	Sum of GTIs [s]
			ontime3	3423.9999873042	Sum of GTIs [s]
			ontime6	3423.9999873042	Sum of GTIs [s]
			ontime7	3423.9999873042	Sum of GTIs [s]
			l1events	170703	Number of level 1 events

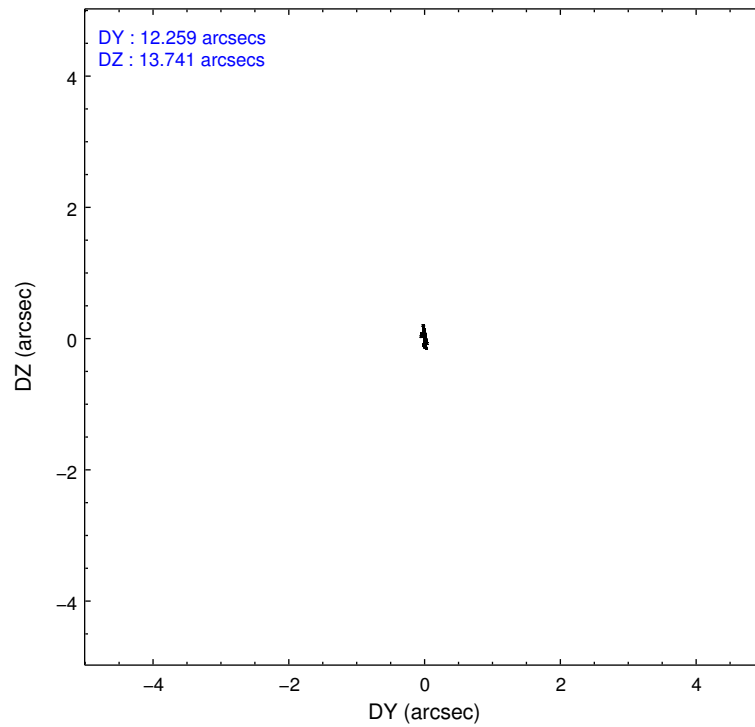
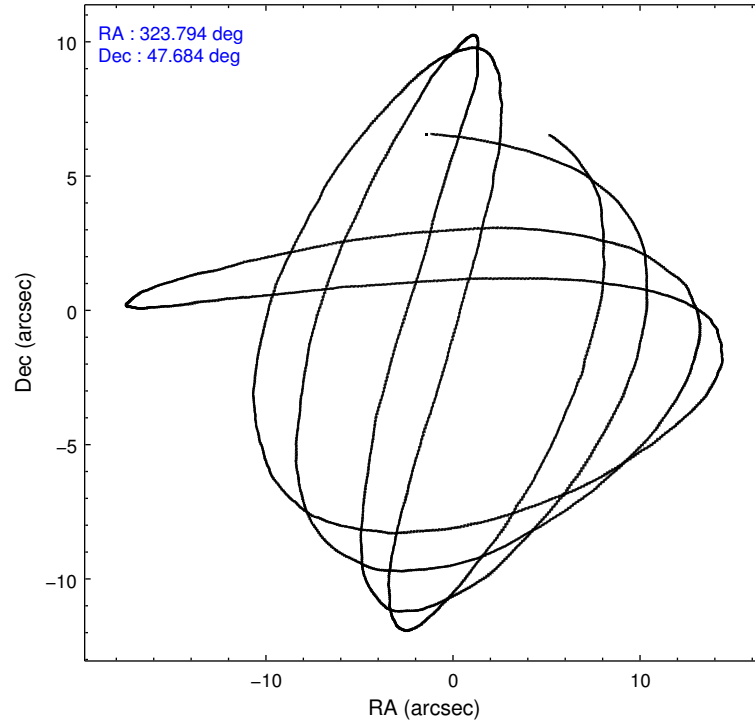
2.1.4 Events

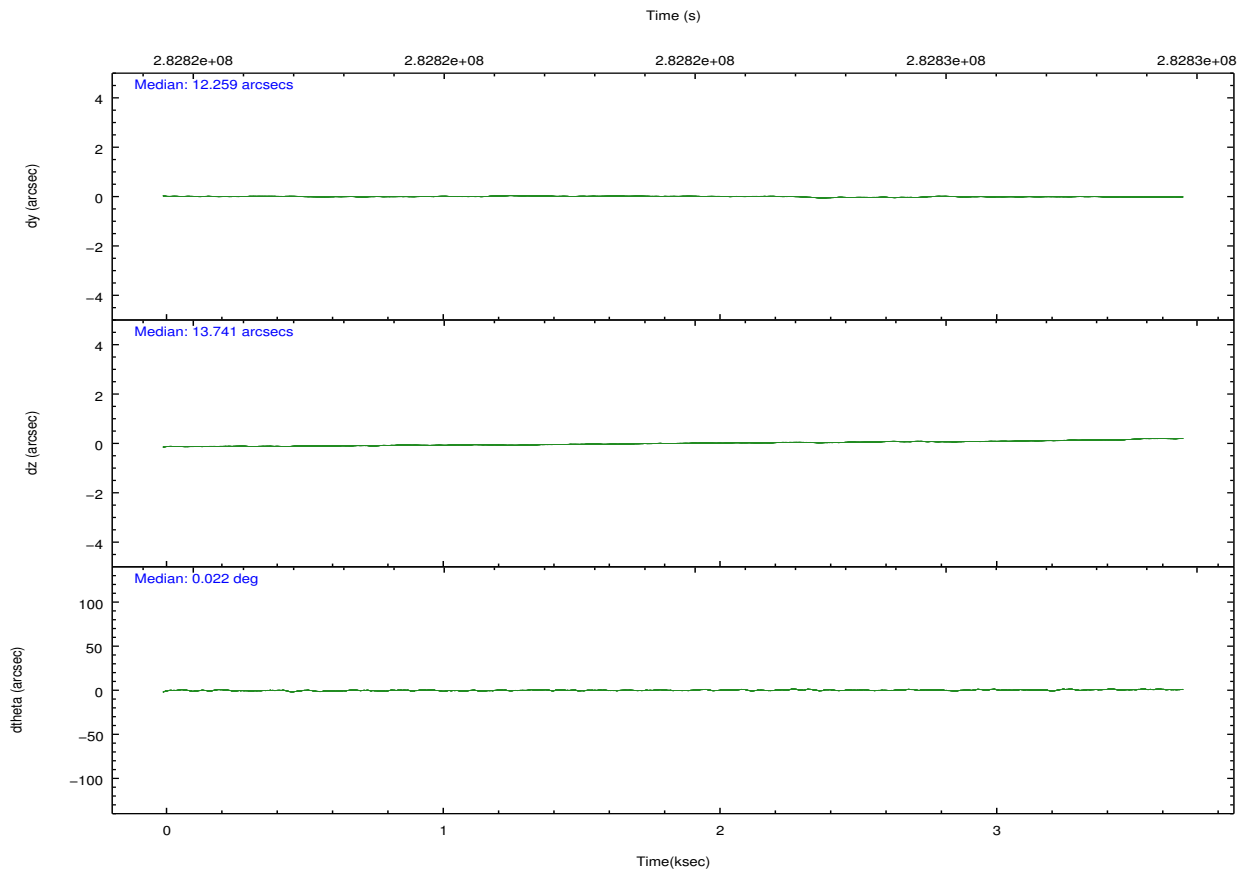
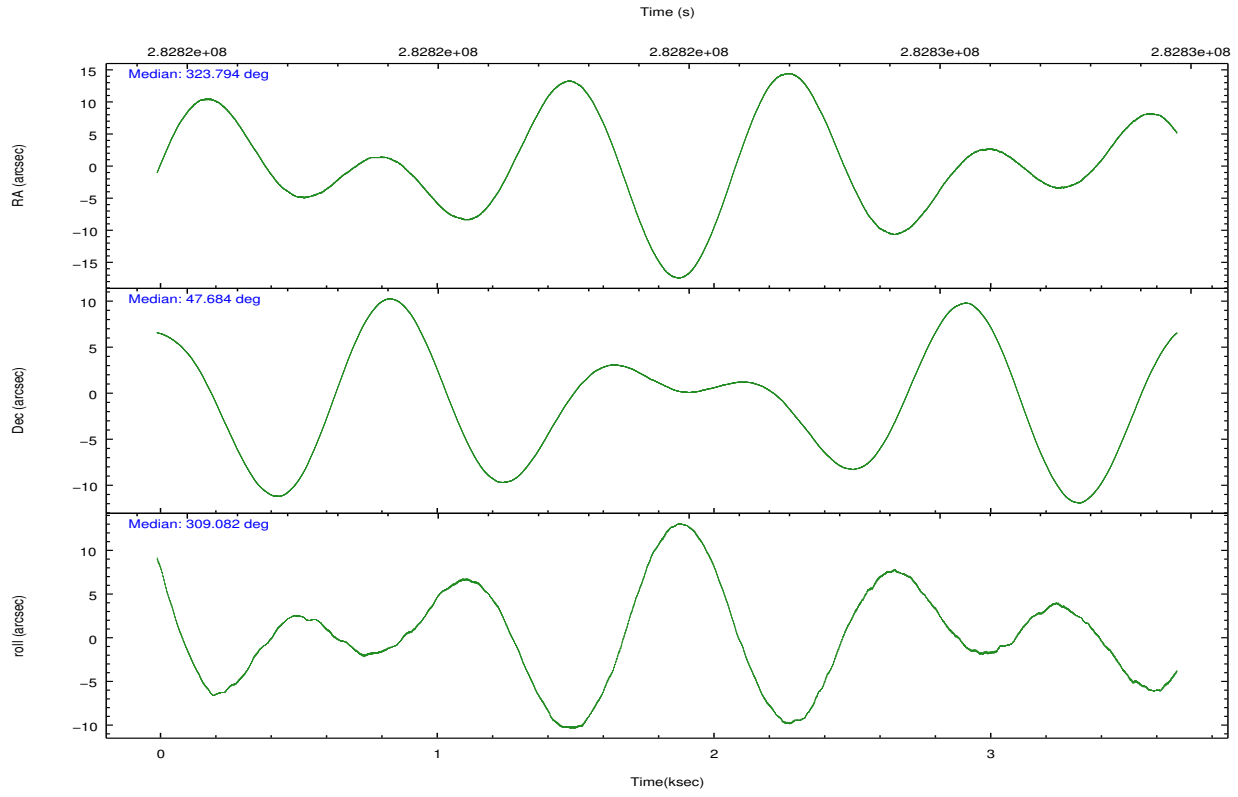
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	26203	24154	26683	26721	28978	37964	grade 0 events	1435	1301	1658	1460	1369	1376
rejected events	22779	20709	23139	23408	25554	22315		5%	5%	6%	5%	4%	3%
rejected %	86%	85%	86%	87%	88%	58%	grade 1 events	23	10	17	14	17	41
								0%	0%	0%	0%	0%	0%
							grade 2 events	731	823	710	629	781	3203
								2%	3%	2%	2%	2%	8%
							grade 3 events	341	296	285	346	308	1257
								1%	1%	1%	1%	1%	3%
							grade 4 events	324	303	339	278	325	1309
								1%	1%	1%	1%	1%	3%
							grade 5 events	1131	1162	1054	1204	1291	3463
								4%	4%	3%	4%	4%	9%
							grade 6 events	600	722	555	603	644	8519
								2%	2%	2%	2%	2%	22%
							grade 7 events	21618	19537	22065	22187	24243	18796
								82%	80%	82%	83%	83%	49%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	323.755328	323.7937237963986	Subarray requested	NONE	NONE
[deg] Pointing Dec	47.693138	47.68366198953736	Alternating exposures requested	N	N
[deg] Pointing Roll	308.958469	309.086700347239	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.09952569084879603			
[mm] SIM translation stage pos	-207.132523	-207.1368374884175			
[mm] SIM translation stage offset	17	-26.4556155145122			
[s] Observation start time (MET)	282823262.184000	282822289.76197			
Observation start date	2006-12-18T09:59:57	2006-12-18T09:44:49			
[s] Observation end time (MET)	282826745.184000	282826967.86219			
Observation end date	2006-12-18T10:58:00	2006-12-18T11:02:47			
Read mode	TIMED	TIMED			

2.3 Aspect



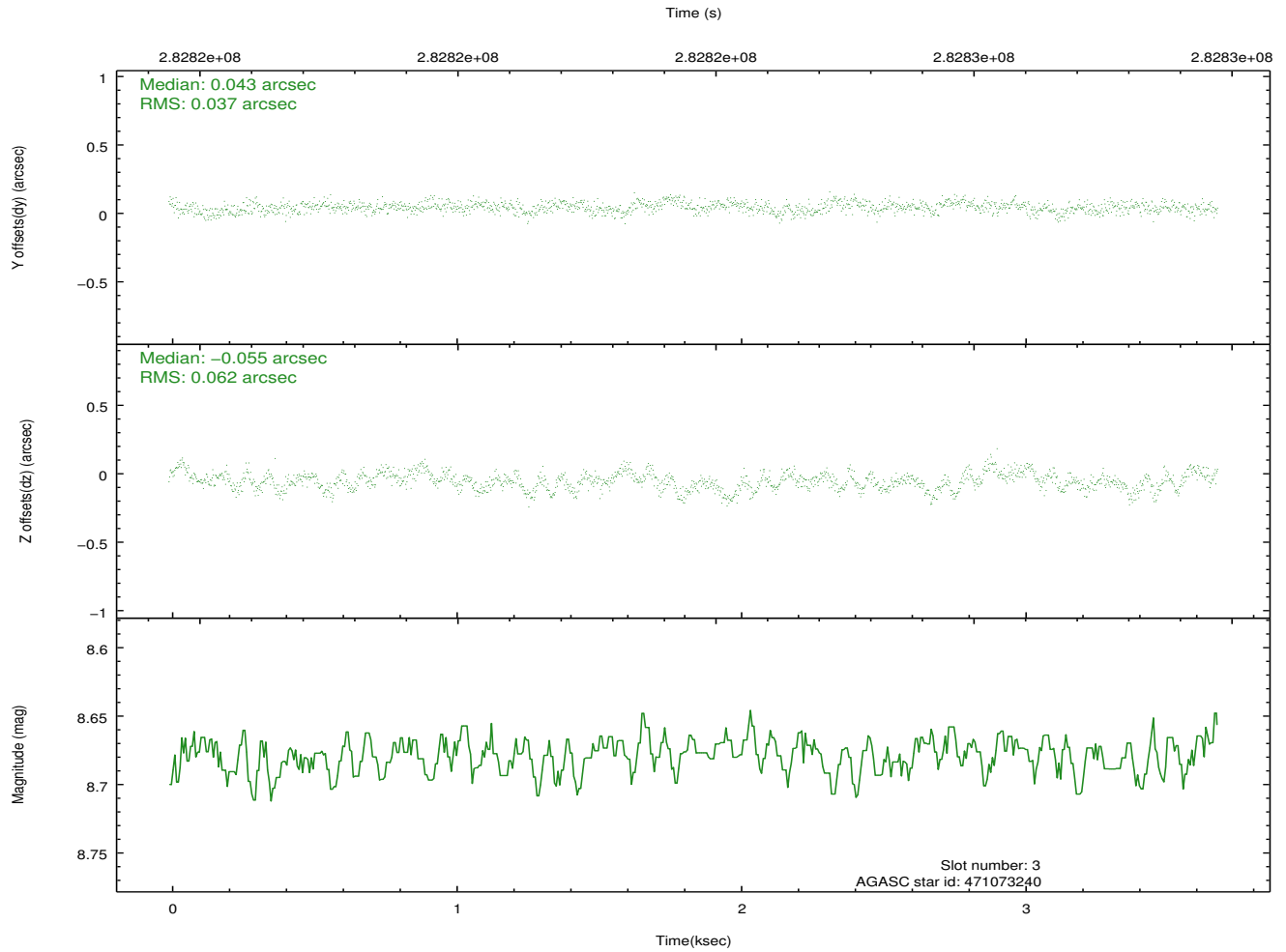
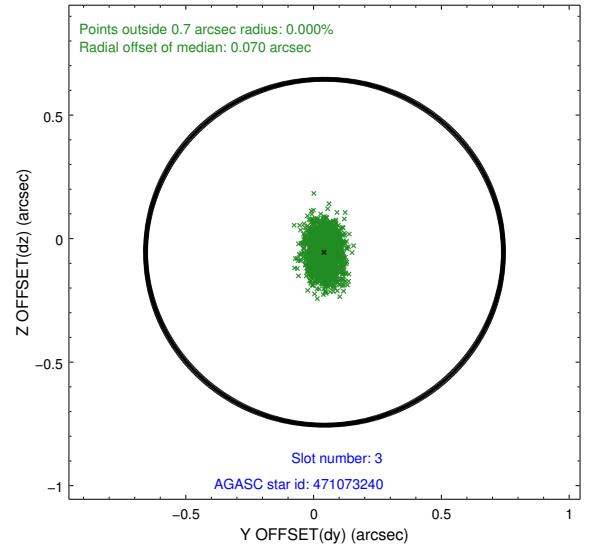
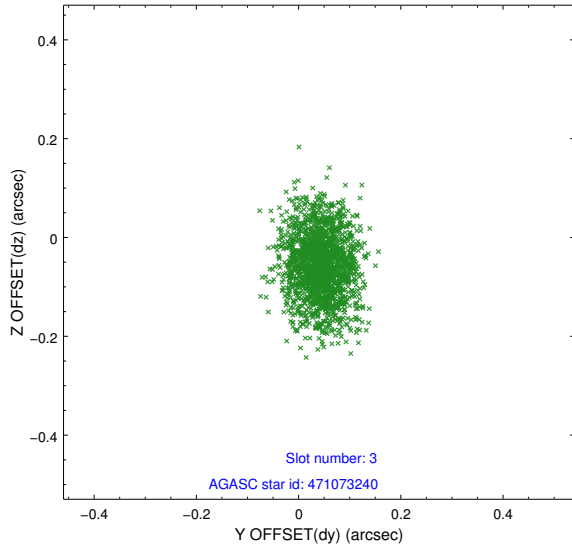


Slot Statistics

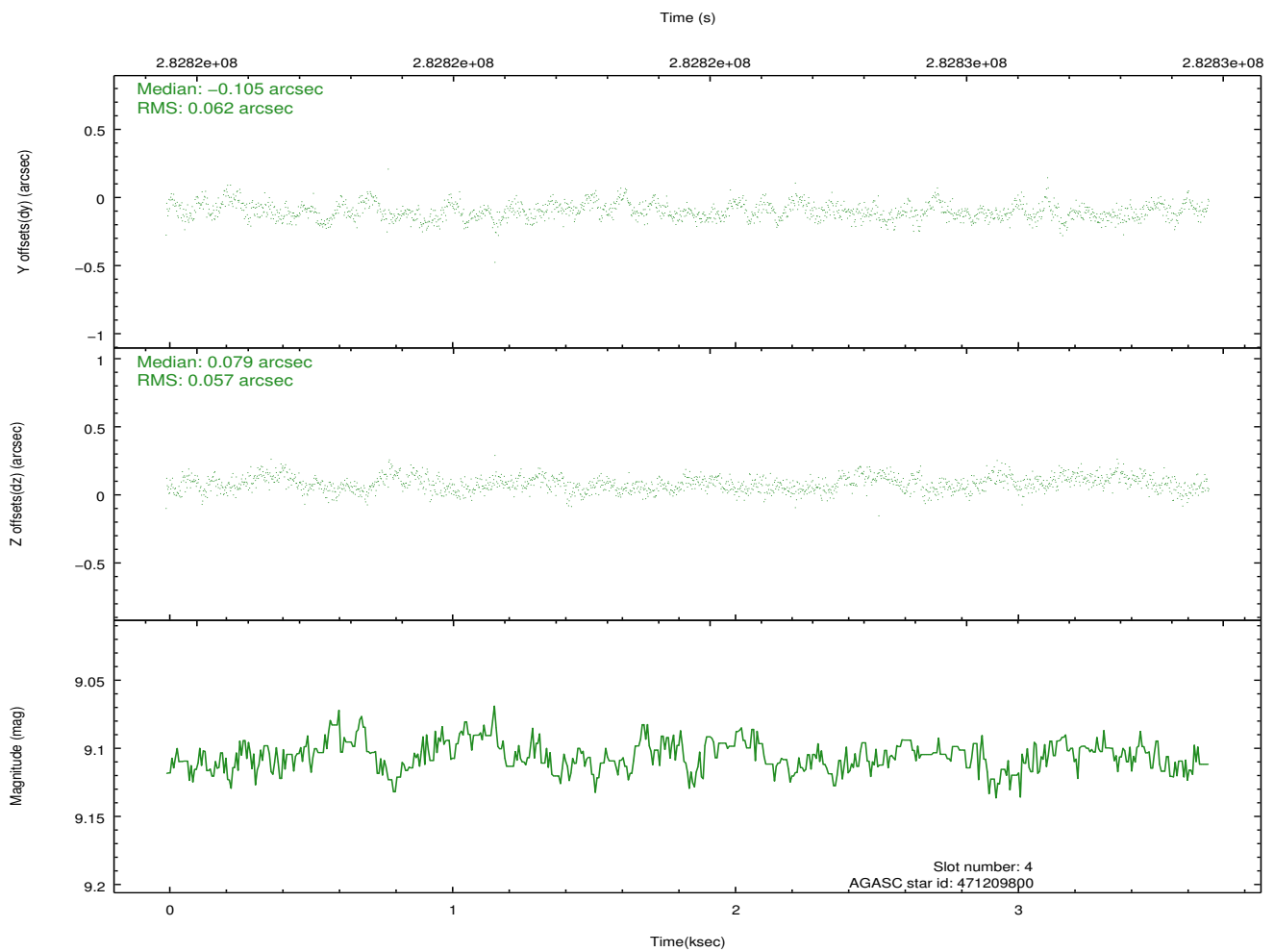
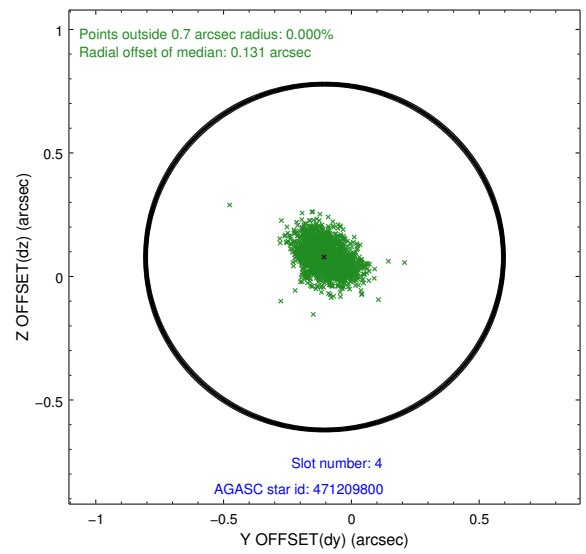
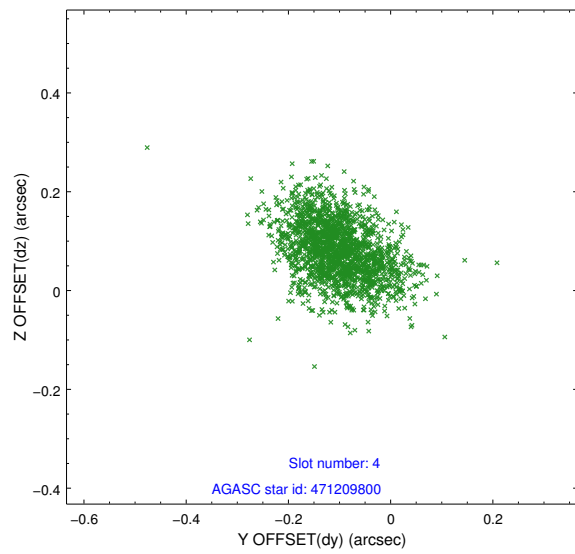
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.17	899	-0.183	-0.355	0.007	0.013	0.000000	0.000000	-766.48	-1384.80
1	FID	ACIS-I-4	7.22	899	-0.014	0.182	0.006	0.011	0.000000	0.000000	2146.37	521.41
2	FID	ACIS-I-5	7.22	900	0.167	0.183	0.007	0.013	0.000000	0.000000	-1817.37	517.83
3	GUIDE	471073240	8.68	1798	0.043	-0.055	0.075	0.129	322.948313	47.442940	-543.19	-2088.00
4	GUIDE	471209800	9.11	1797	-0.105	0.079	0.089	0.147	323.871445	48.493691	-2068.07	2026.26
5	GUIDE	471215928	7.79	1799	-0.092	0.026	0.070	0.115	324.604586	47.751949	1117.26	1739.68
6	GUIDE	471219520	8.75	1798	0.188	-0.118	0.065	0.104	324.250339	47.443501	1454.09	375.60
7	GUIDE	471076944	8.98	1797	-0.038	0.059	0.069	0.114	323.173612	47.958519	-1628.24	-486.02

2.4 Star Slots

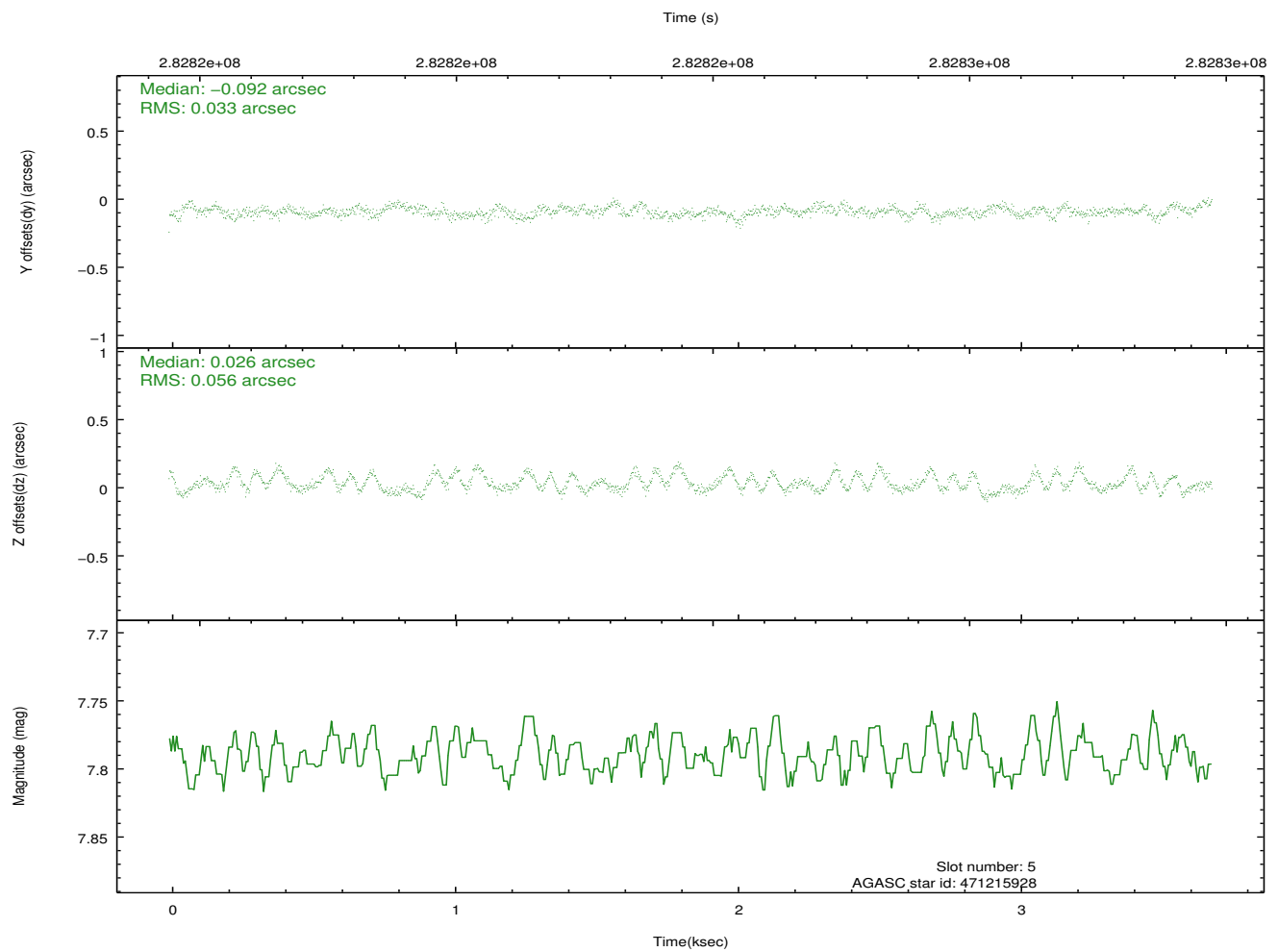
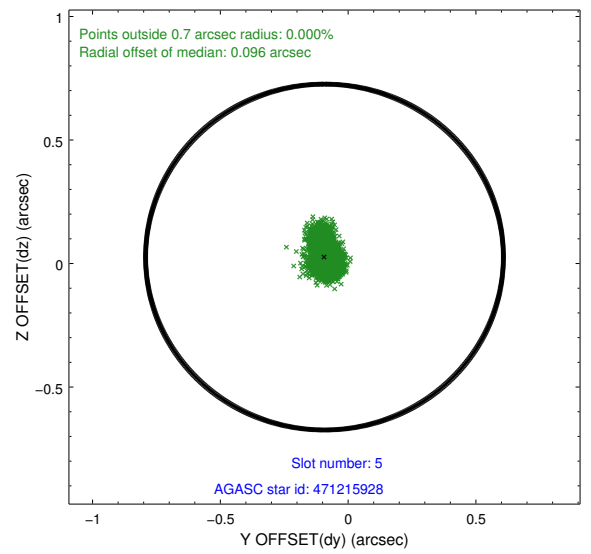
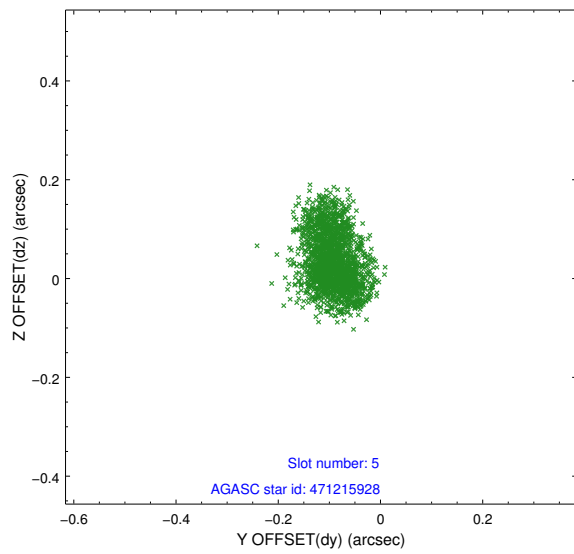
2.4.1 Slot 3



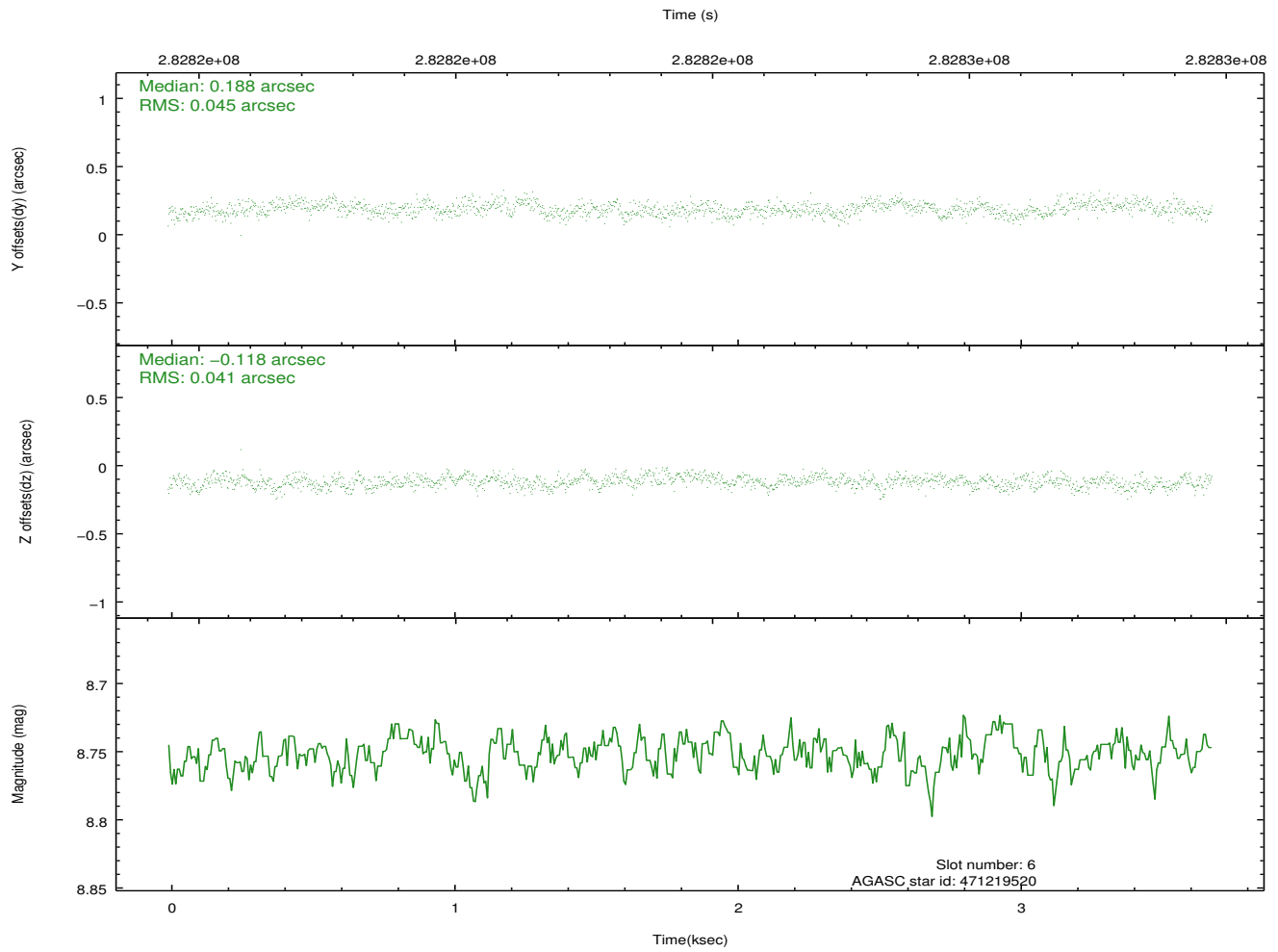
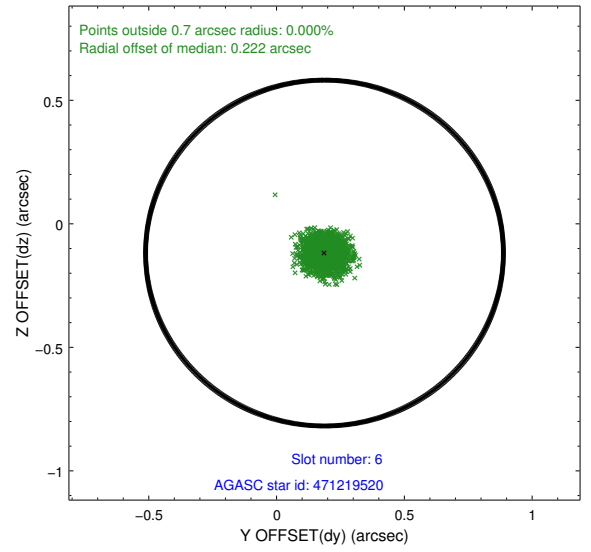
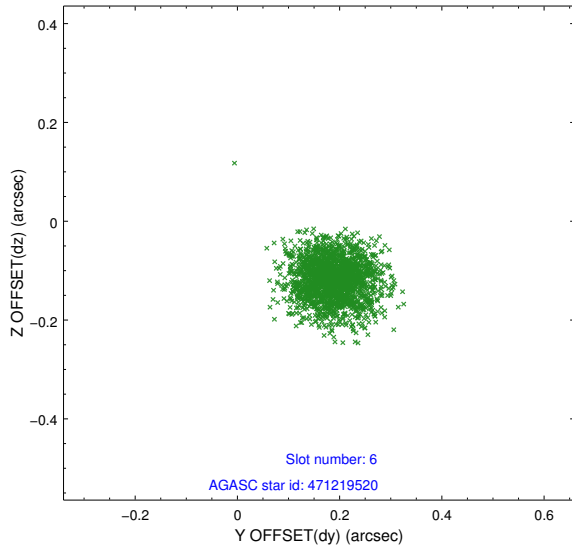
2.4.2 Slot 4



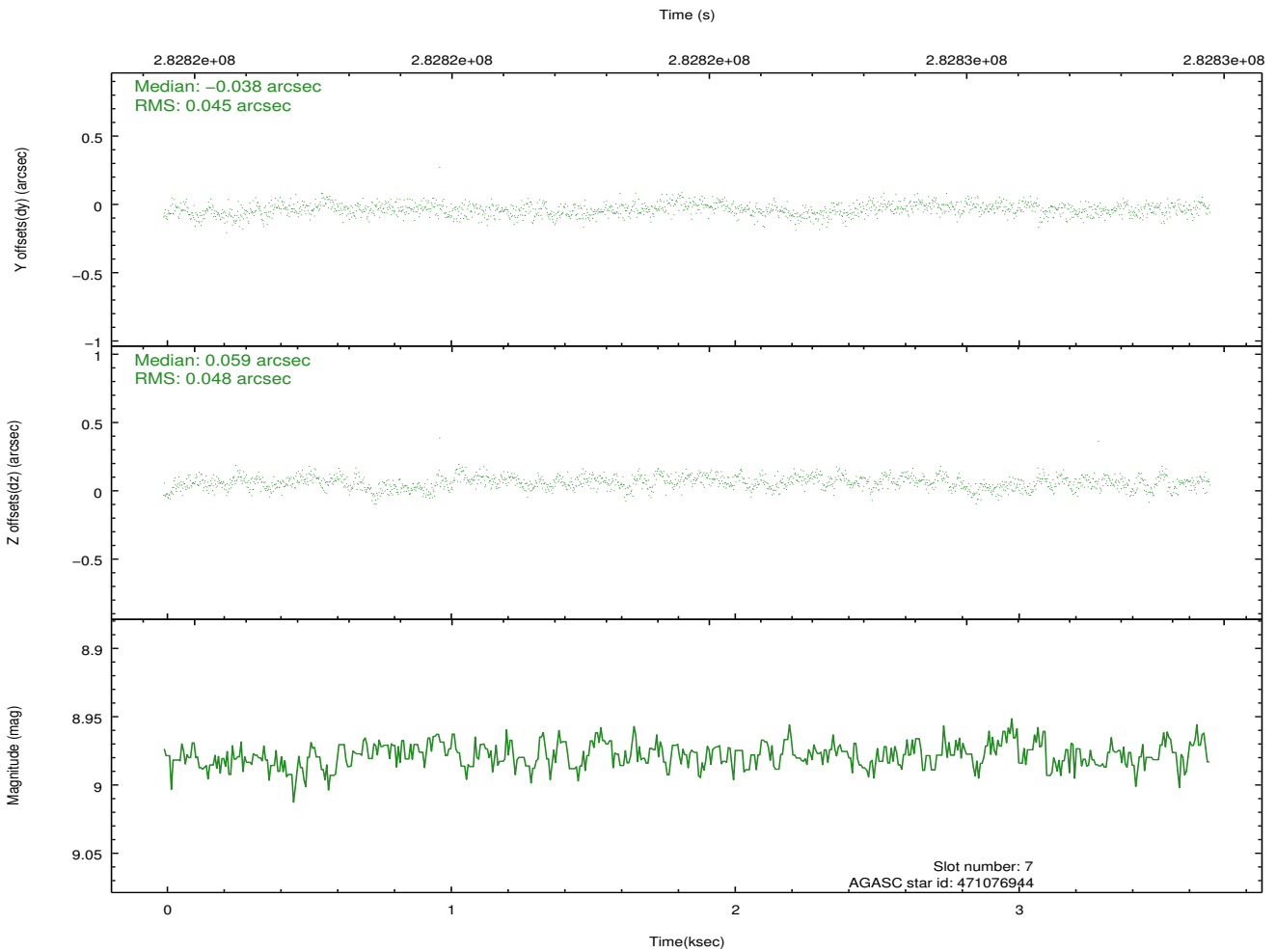
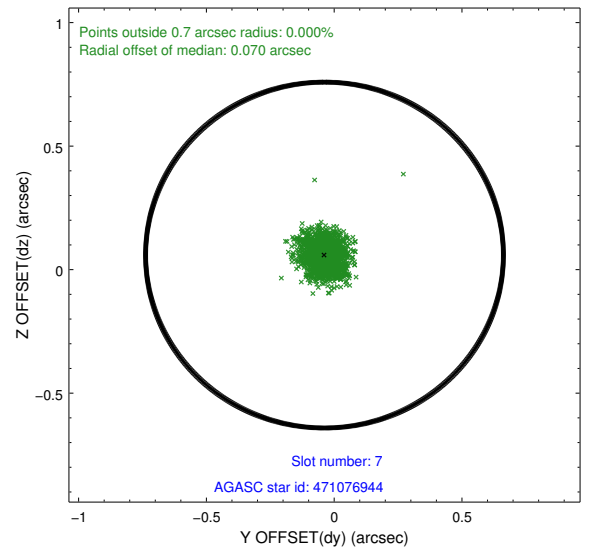
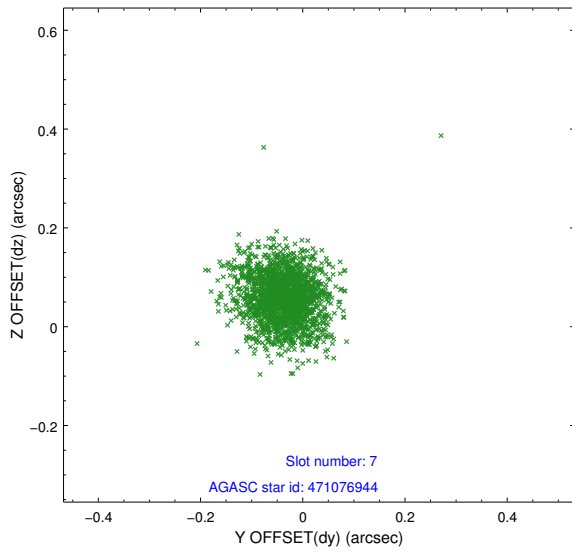
2.4.3 Slot 5



2.4.4 Slot 6

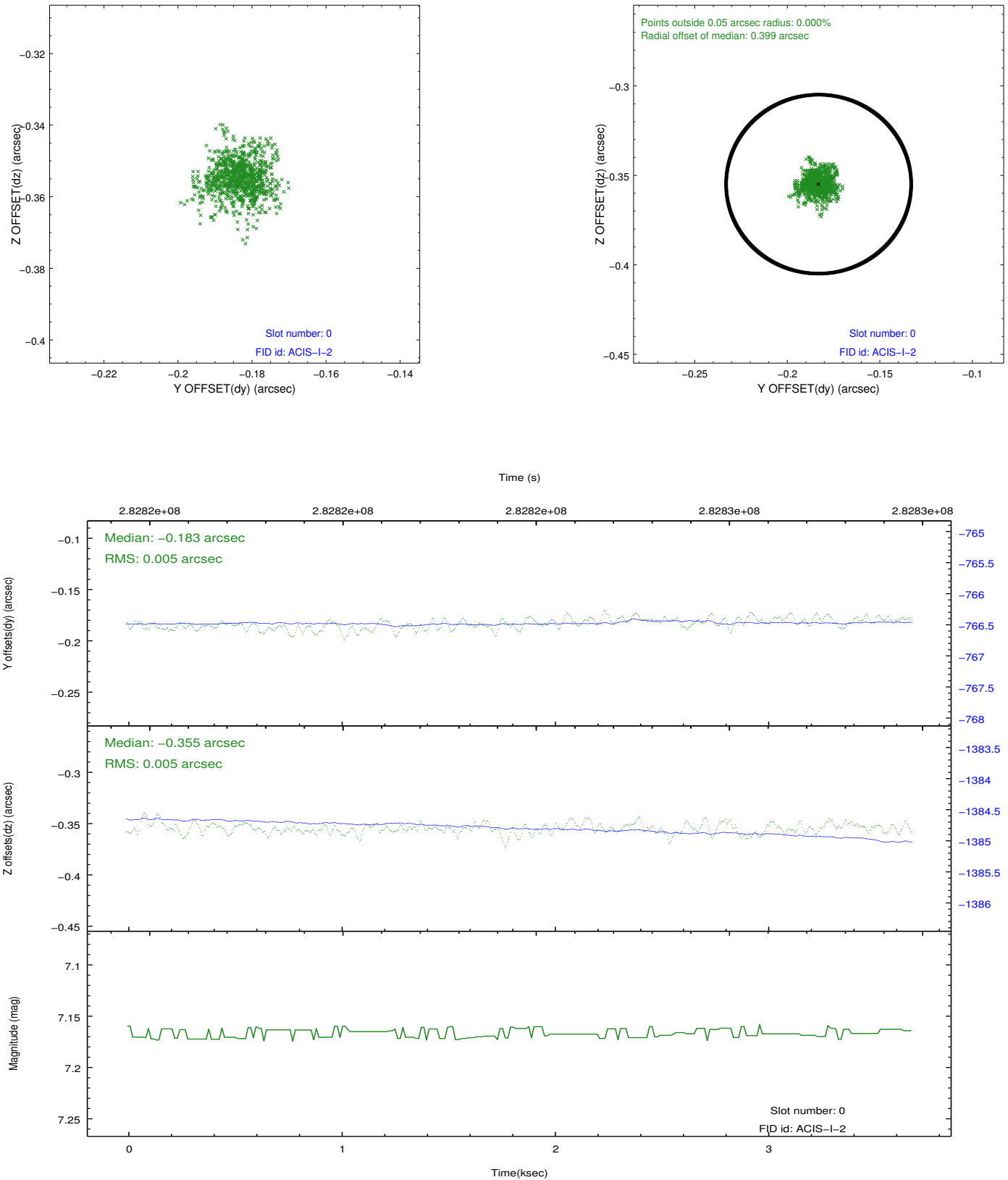


2.4.5 Slot 7

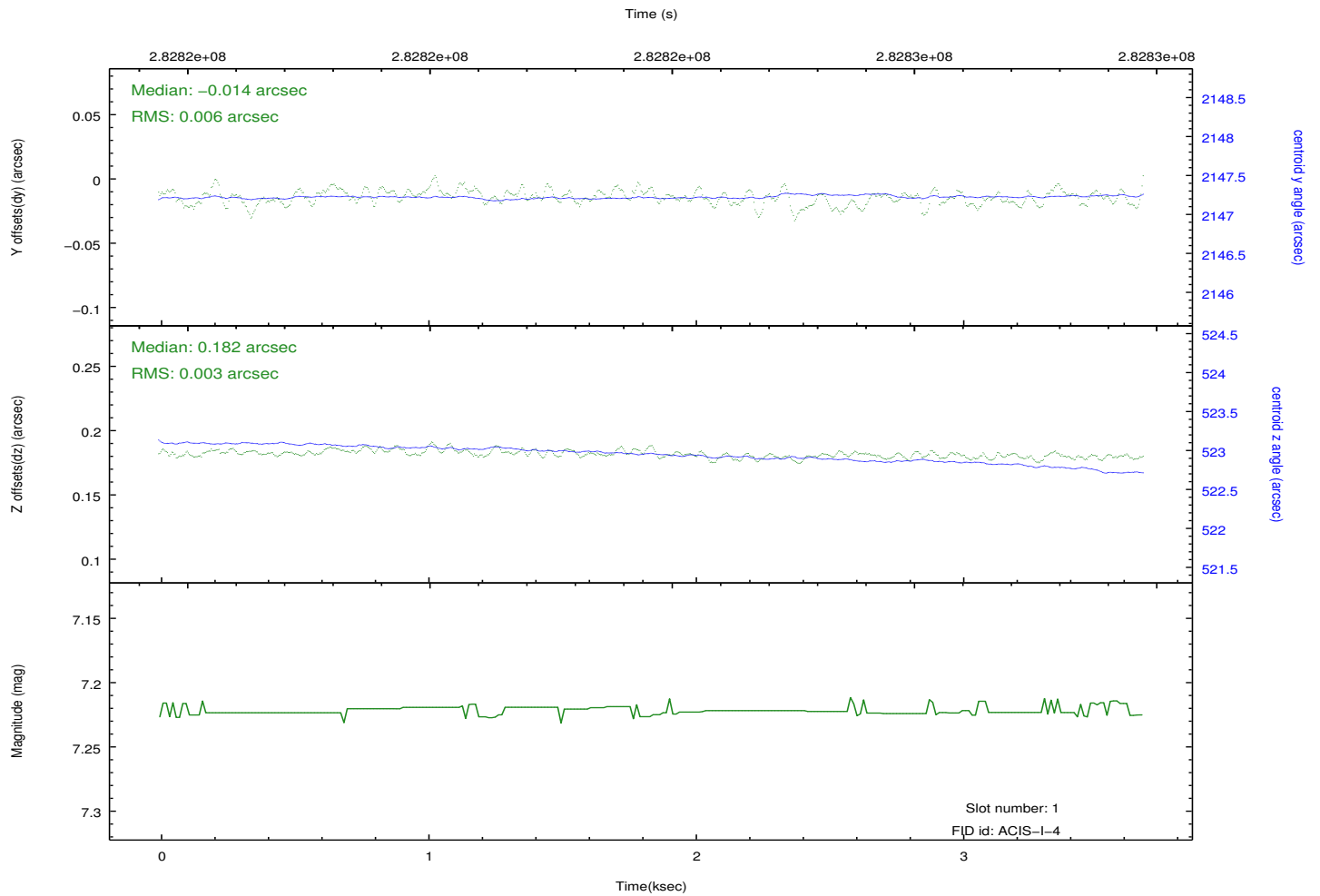
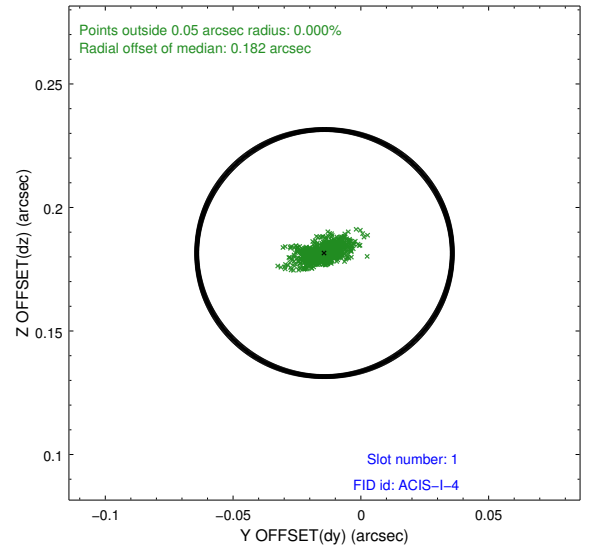
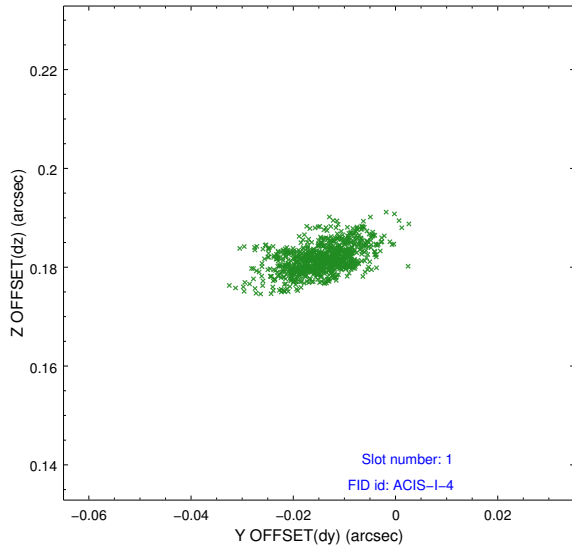


2.5 FID Slots

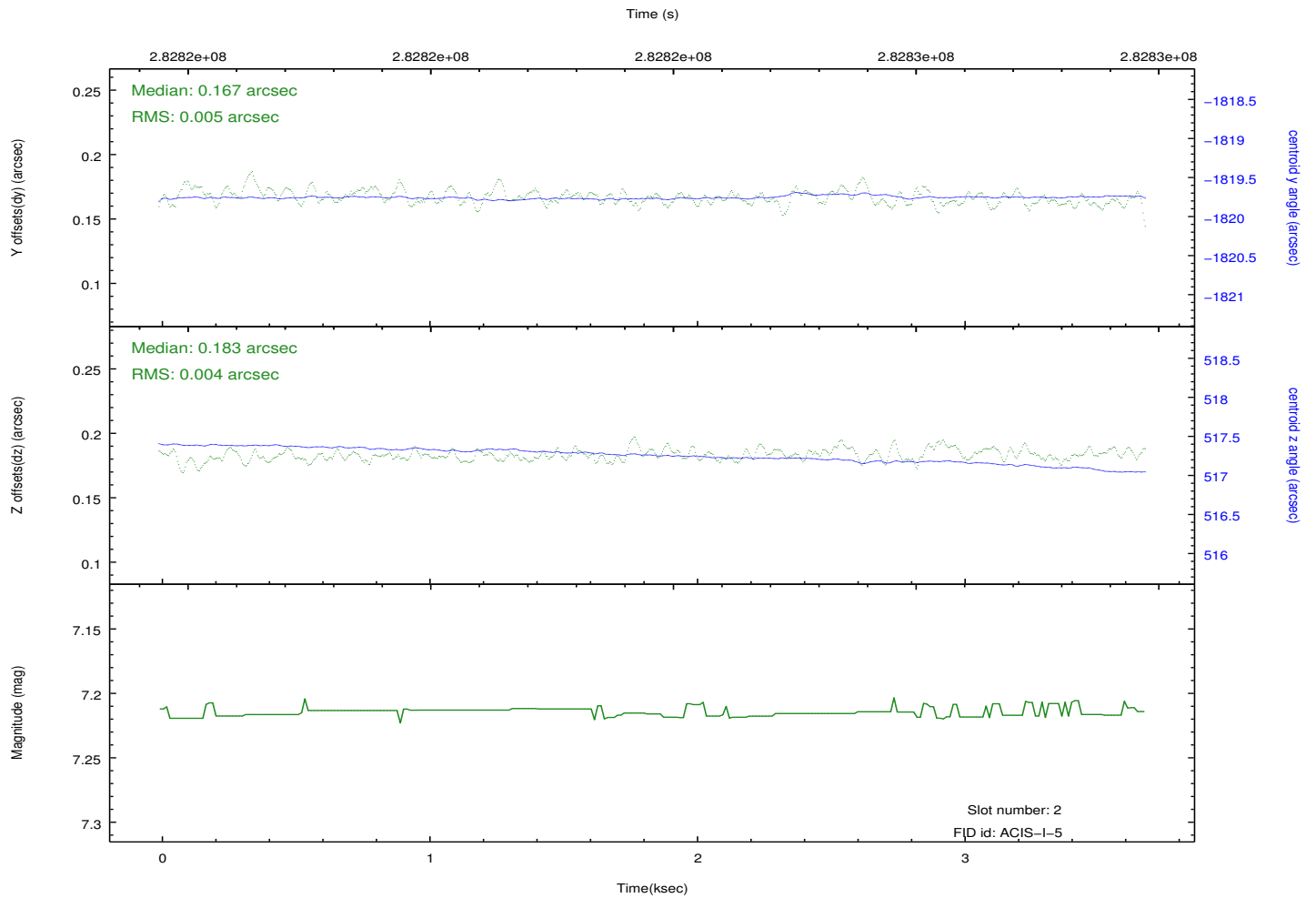
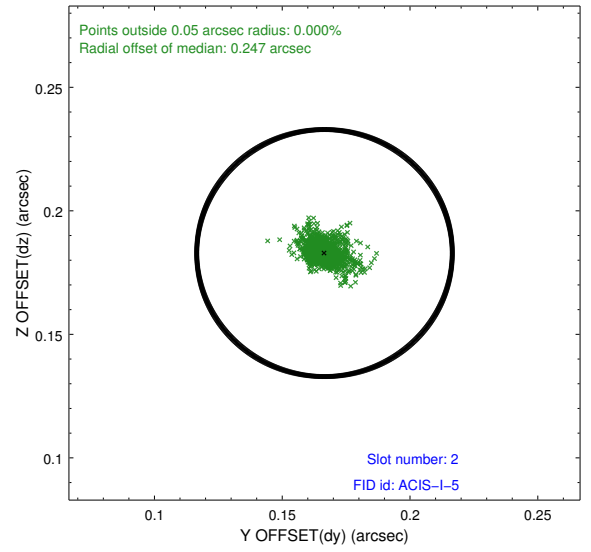
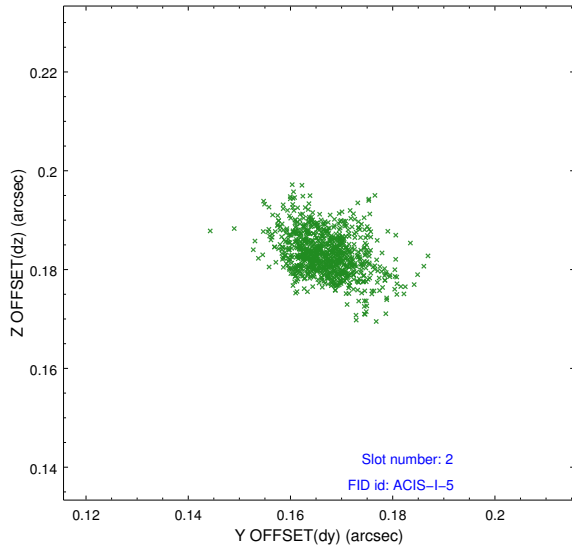
2.5.1 Slot 0



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)	2012.04.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.42399998

A.2 Comments

This observation was performed with a large SIM offset, per PI request. As a result, the fid light positions are offset beyond normally expected ranges, but the fid light position correction has compensated for this offset.