

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9458 - L2 Version 2
Chandra X-Ray Center

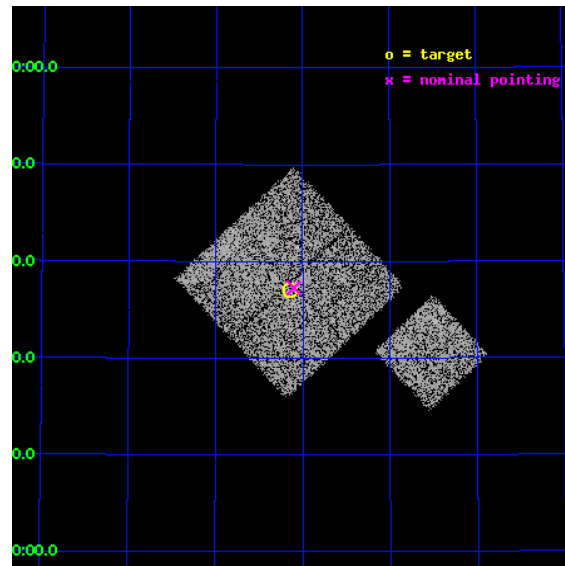
L2 Processing Date : Jun 2 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

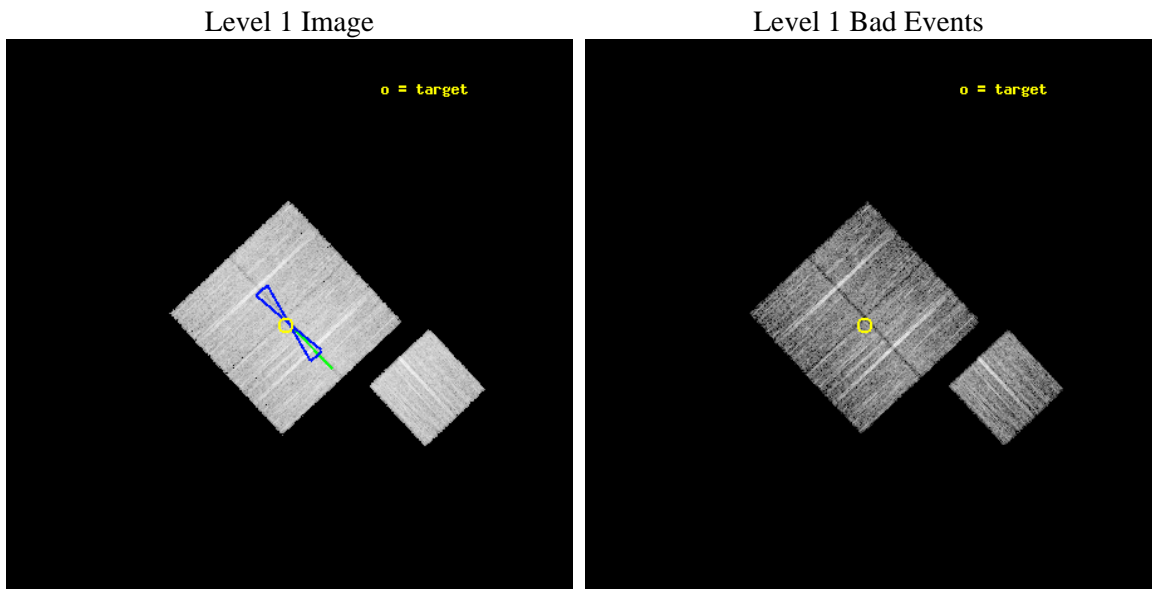
seq_num	900798	Sequence number
obs_id	9458	Observation id
title	The Evolution of Faint AGN at High Redshift	Proposal title
observer	Prof Kirpal Nandra	Principal investigator
object	AEGIS-3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	214.5375	Observer's specified target RA [deg]
dec_targ	52.617889	Observer's specified target Dec [deg]
ra_nom	214.52535986314	Nominal RA [deg]
dec_nom	52.621397663805	Nominal Dec [deg]
roll_nom	136.85734238433	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6742.3784356713	Sum of GTIs [s]
livetime	6654.2842977425	Livetime [s]
ontime0	6739.1143253446	Sum of GTIs [s]
ontime1	6739.1553454399	Sum of GTIs [s]
ontime2	6739.1963854432	Sum of GTIs [s]
ontime3	6742.3784356713	Sum of GTIs [s]
ontime6	6742.2142756581	Sum of GTIs [s]
l2events	25228	Number of level 2 events



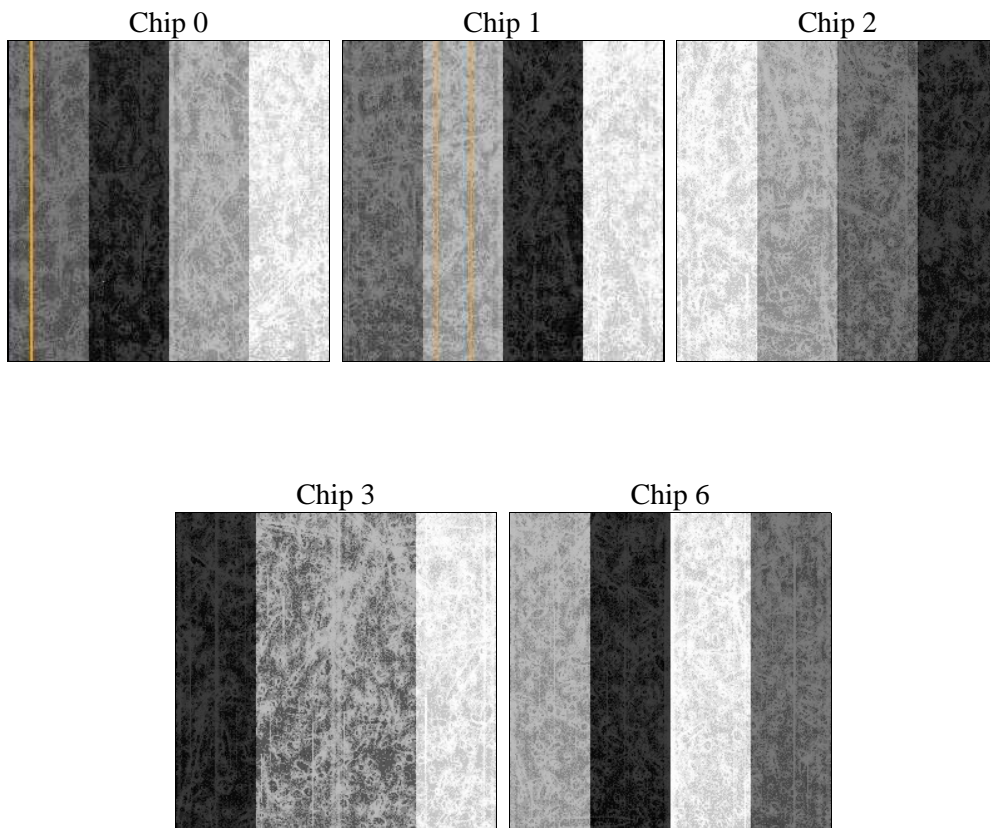
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	6742.3784356713	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	6739.1143253446	Sum of GTIs [s]
date	2012-06-02T15:02:14	Date and time of file creation	ontime1	6739.1553454399	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	6739.1963854432	Sum of GTIs [s]
			ontime3	6742.3784356713	Sum of GTIs [s]
			ontime6	6742.2142756581	Sum of GTIs [s]
			l1events	284685	Number of level 1 events

2.1.4 Events

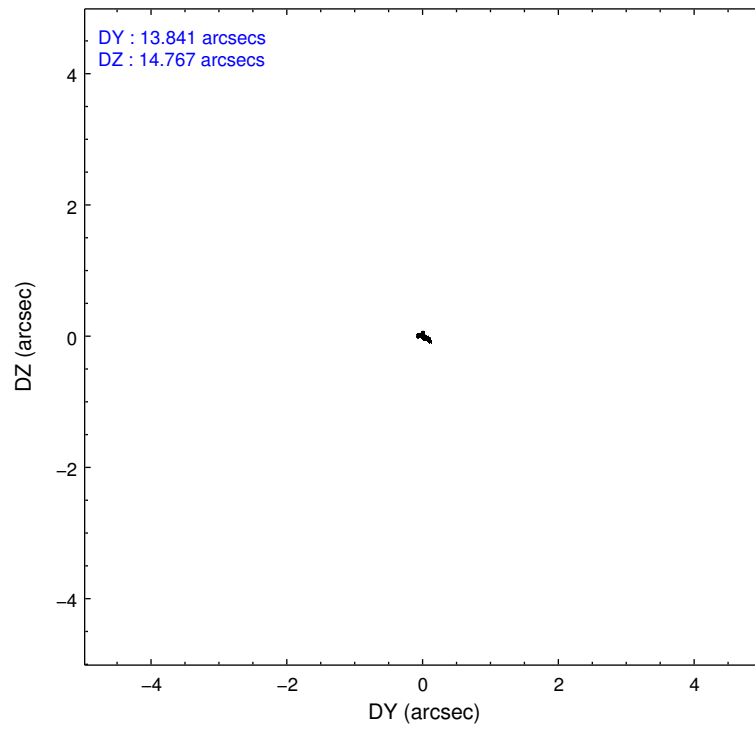
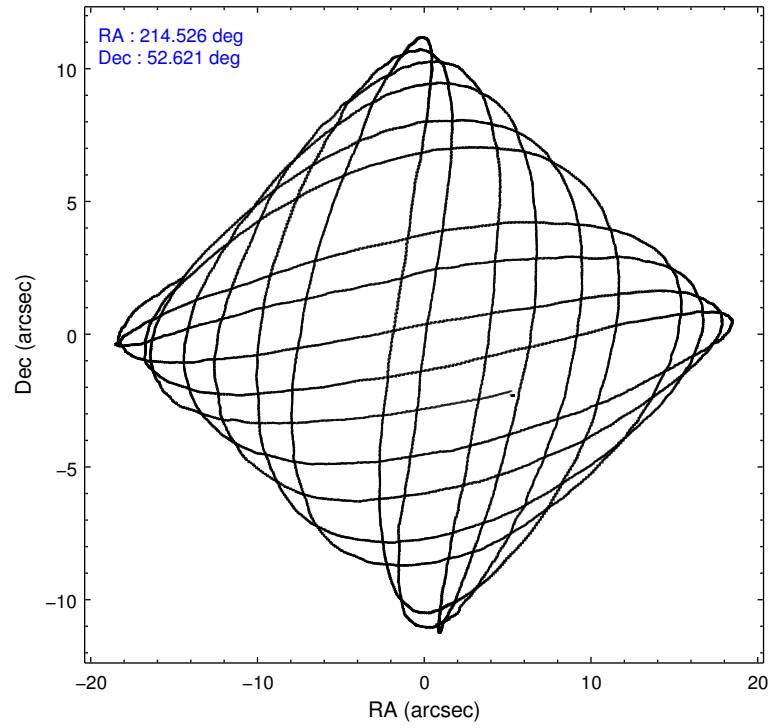
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	51687	54336	60323	58069	60270
rejected events	45644	47514	54485	52629	54200
rejected %	88%	87%	90%	90%	89%

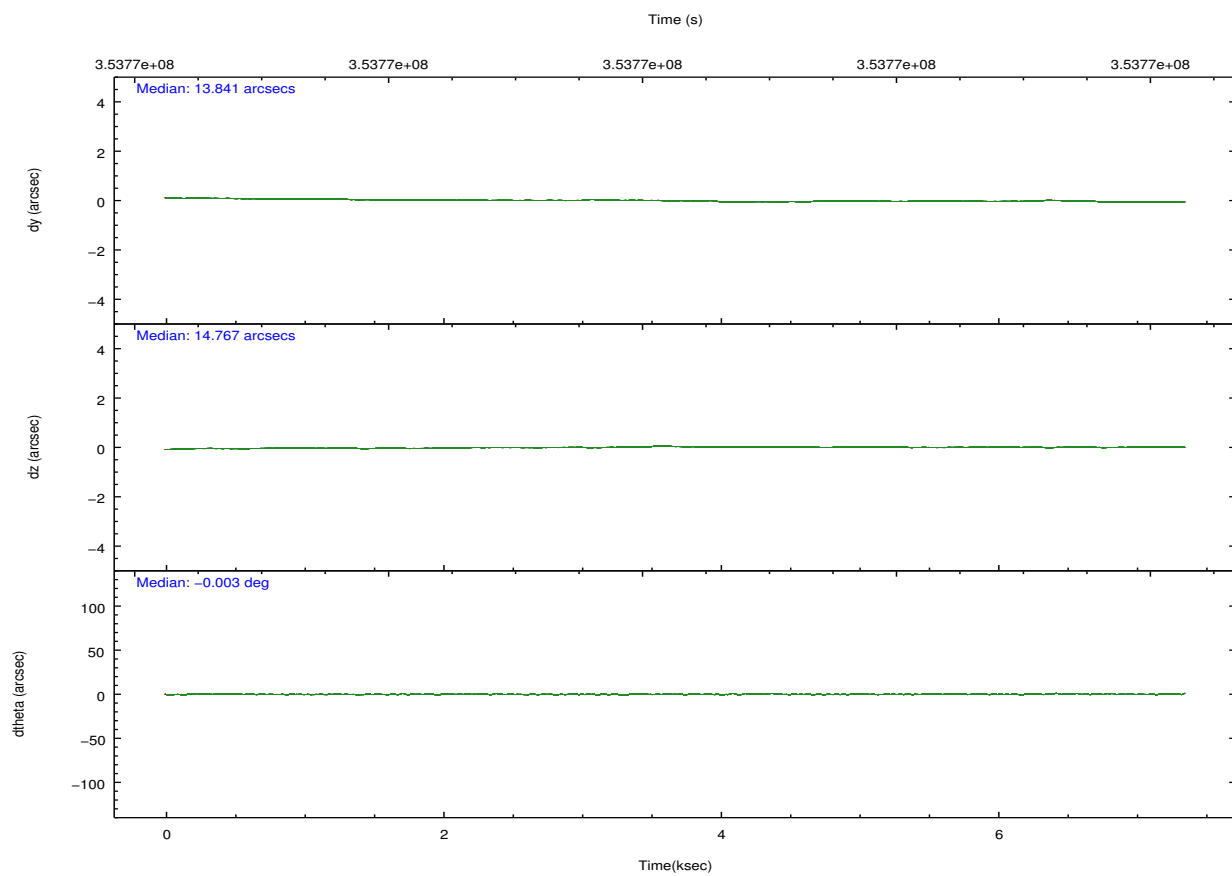
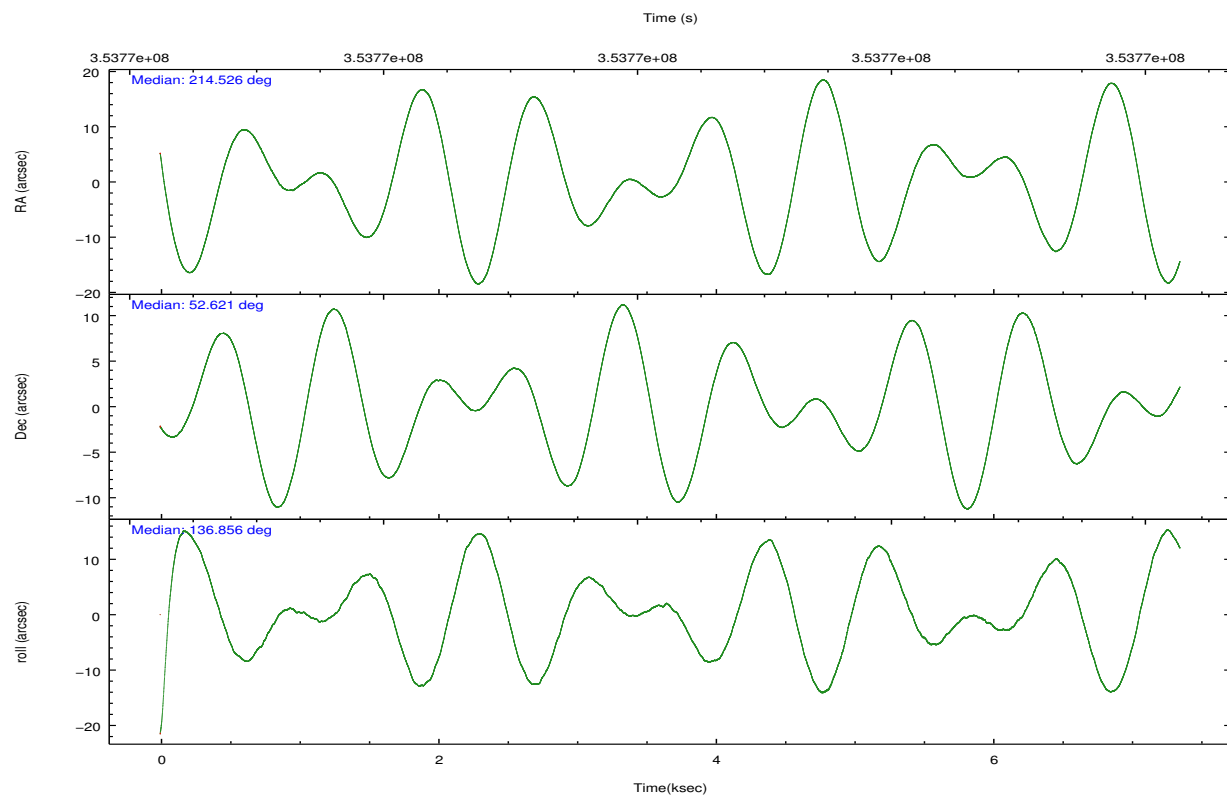
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	2122	2413	2064	1859	2129
	4%	4%	3%	3%	3%
grade 1 events	25	25	35	34	40
	0%	0%	0%	0%	0%
grade 2 events	1483	1610	1443	1254	1354
	2%	2%	2%	2%	2%
grade 3 events	659	710	613	642	659
	1%	1%	1%	1%	1%
grade 4 events	615	735	626	633	670
	1%	1%	1%	1%	1%
grade 5 events	2091	2351	1882	2417	2400
	4%	4%	3%	4%	3%
grade 6 events	1173	1356	1094	1054	1266
	2%	2%	1%	1%	2%
grade 7 events	43519	45136	52566	50176	51752
	84%	83%	87%	86%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	214.569665	214.525359863141	CCD I2 on	Y	Y
[deg] Pointing Dec	52.615252	52.62139766380508	CCD I3 on	Y	Y
[deg] Pointing Roll	136.613475	136.857342384331	CCD S0 on	N	N
[deg] Roll angle	50.000000	50.000000	CCD S1 on	N	N
[deg] Roll tolerance	10.000000	10.000000	CCD S2 on	O1	Y
Roll constraint allows 180D rotation	Y	Y	CCD S3 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S4 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S5 on	N	N
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	Number of optional ACIS chips dropped	0	0
[mm] SIM translation stage offset	0	-0.005018542100998502	On-chip summing requested	N	N
[s] Observation start time (MET)	353767234.184000	353766016.18787	Subarray requested	NONE	NONE
Observation start date	2009-03-18T12:39:28	2009-03-18T12:20:16	Alternating exposures requested	N	N
[s] Observation end time (MET)	353773934.184000	353774494.47579	[s] Primary exposure time	0.000000	3.1
Observation end date	2009-03-18T14:31:08	2009-03-18T14:41:34			
Read mode	TIMED	TIMED			

2.3 Aspect



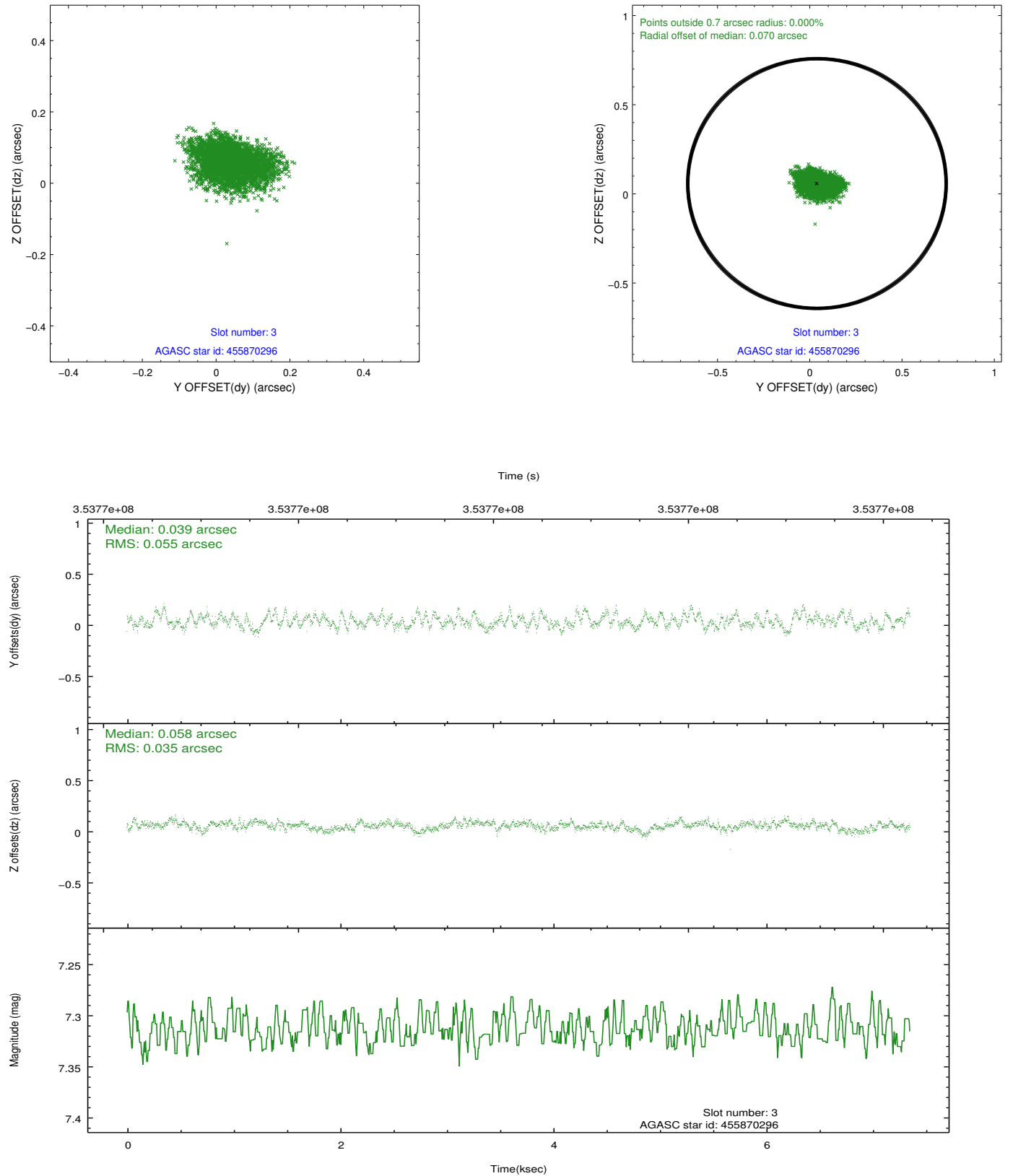


Slot Statistics

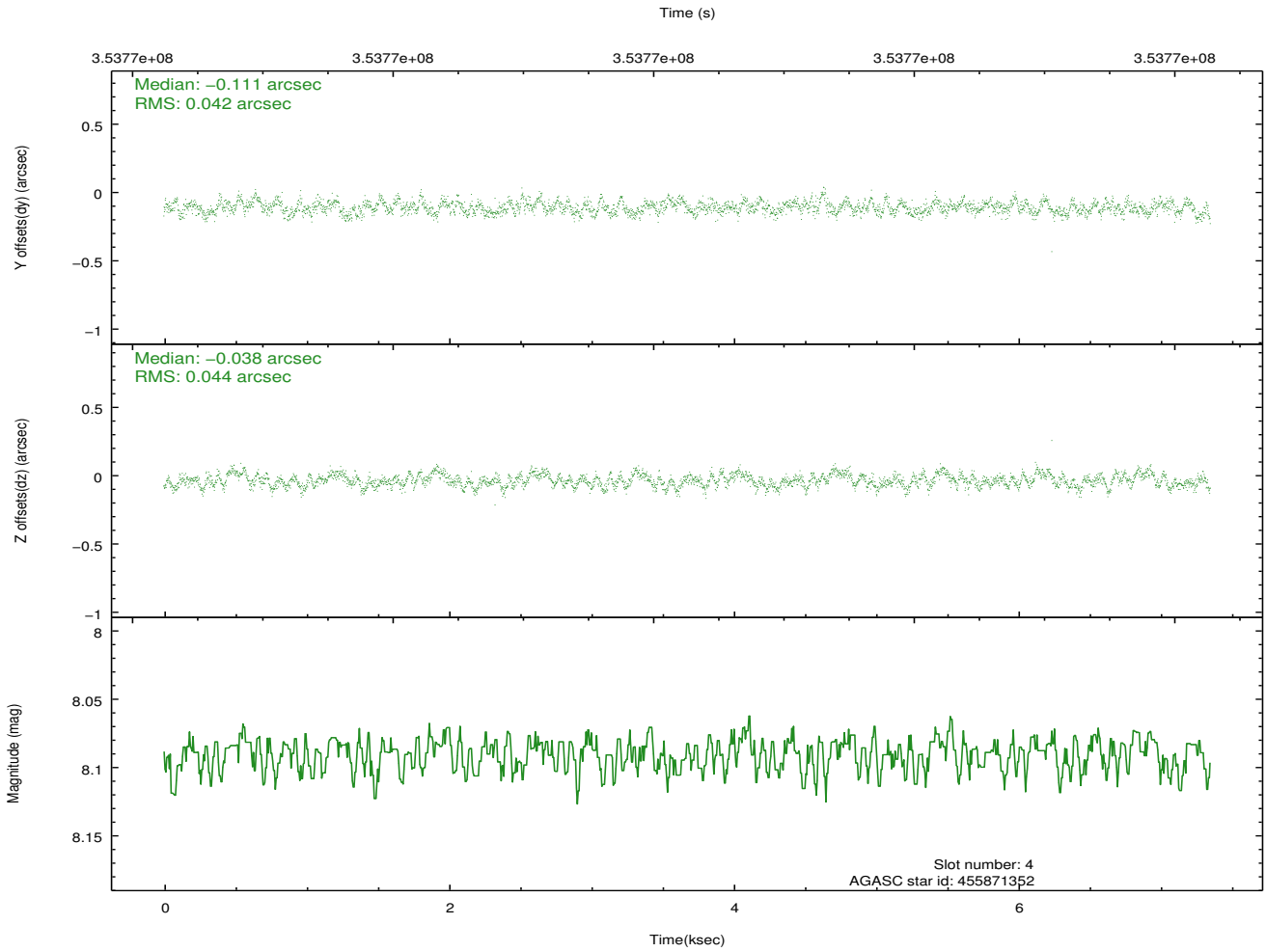
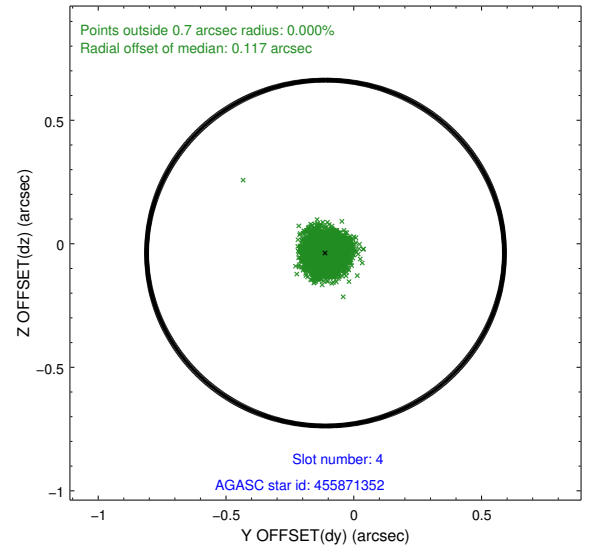
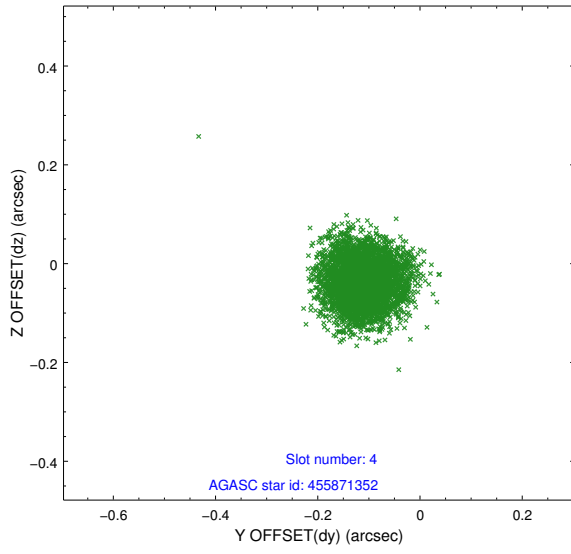
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.03	1794	0.032	0.008	0.006	0.011	0.000000	0.000000	925.69	-838.33
1	FID	ACIS-I-5	7.02	1794	-0.217	0.038	0.006	0.010	0.000000	0.000000	-1822.26	1058.75
2	FID	ACIS-I-6	7.03	1794	0.094	0.025	0.006	0.010	0.000000	0.000000	390.41	1704.16
3	GUIDE	455870296	7.31	3587	0.039	0.058	0.069	0.114	214.629779	52.033323	-1535.93	1430.95
4	GUIDE	455871352	8.09	3587	-0.111	-0.038	0.066	0.101	215.099961	52.172669	-1943.07	350.79
5	GUIDE	505806936	7.00	3587	0.002	-0.041	0.072	0.117	213.820815	52.535927	1000.66	1327.74
6	GUIDE	505812088	8.16	3586	0.061	0.133	0.079	0.125	214.186617	53.263562	2204.39	-1130.72
7	GUIDE	504894728	8.81	3585	0.004	-0.110	0.081	0.132	213.220892	52.722550	2421.87	1718.95

2.4 Star Slots

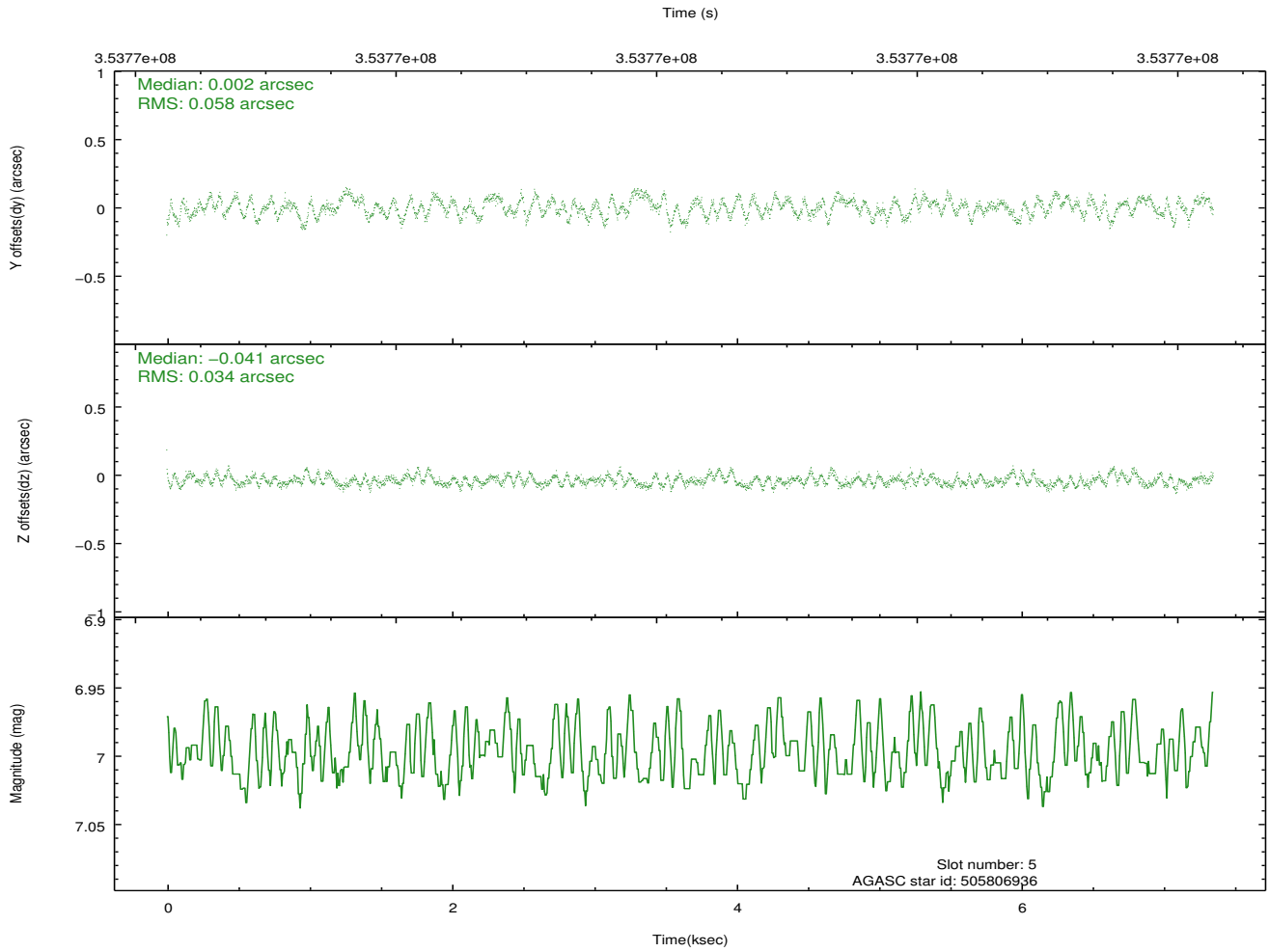
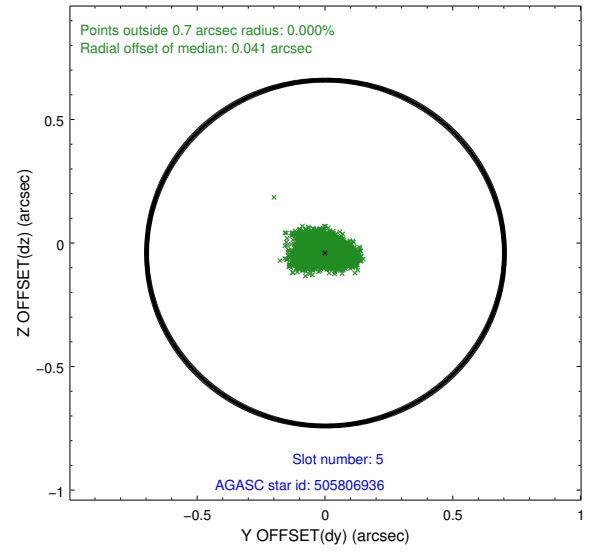
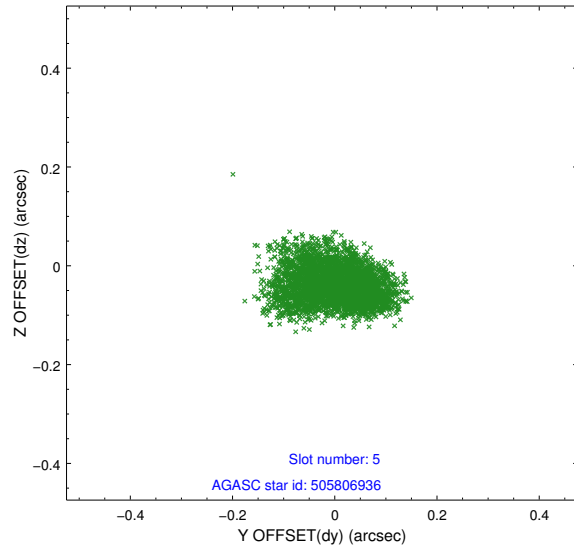
2.4.1 Slot 3



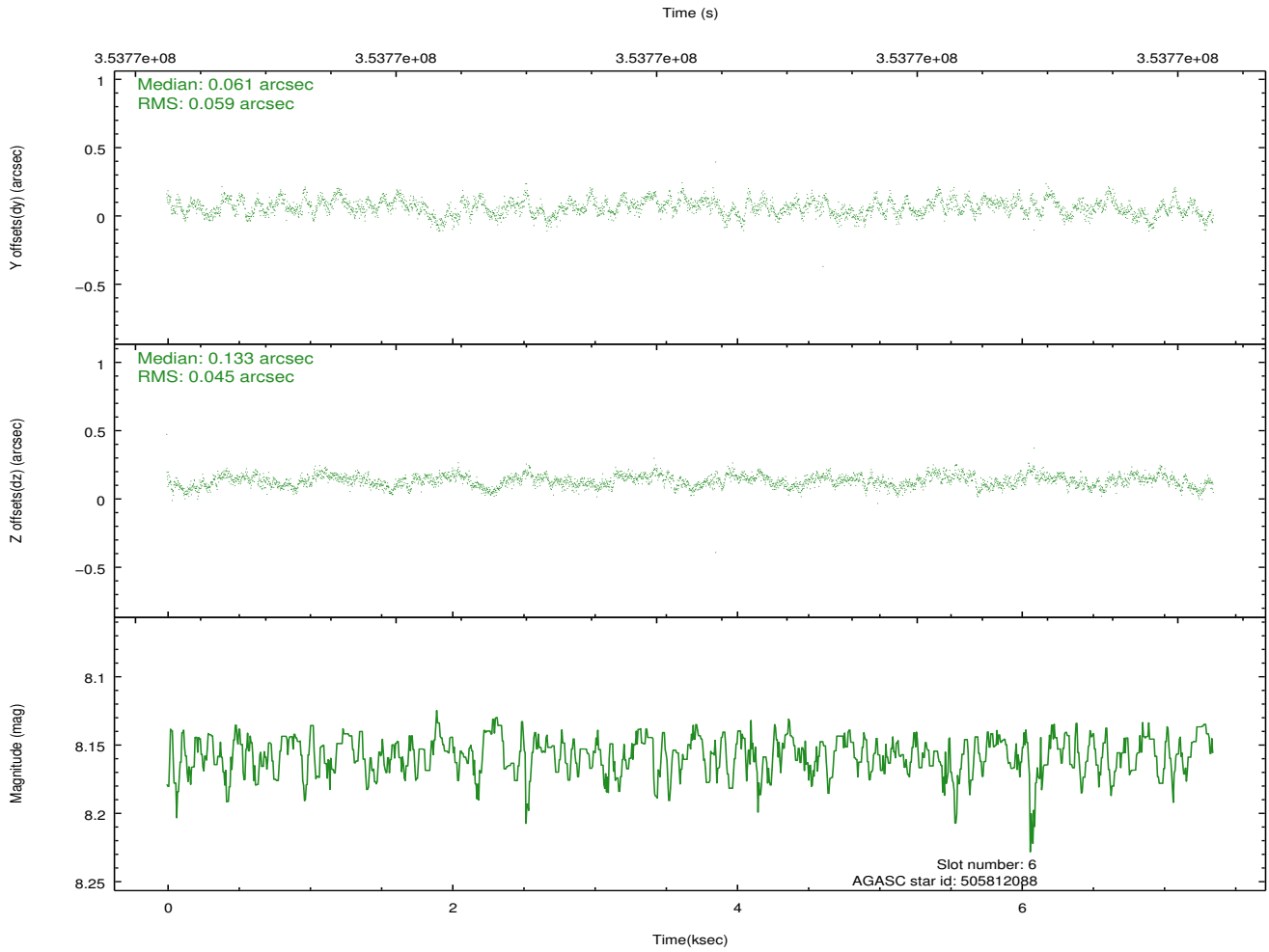
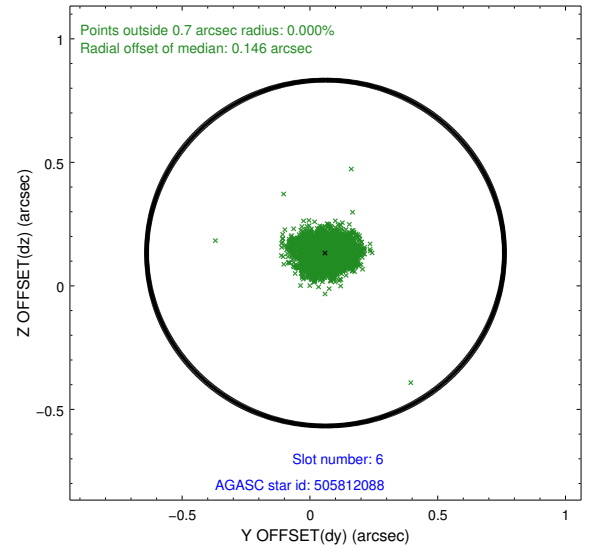
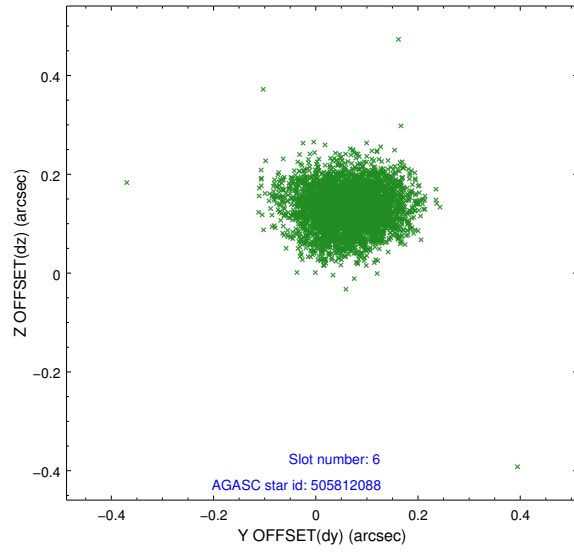
2.4.2 Slot 4



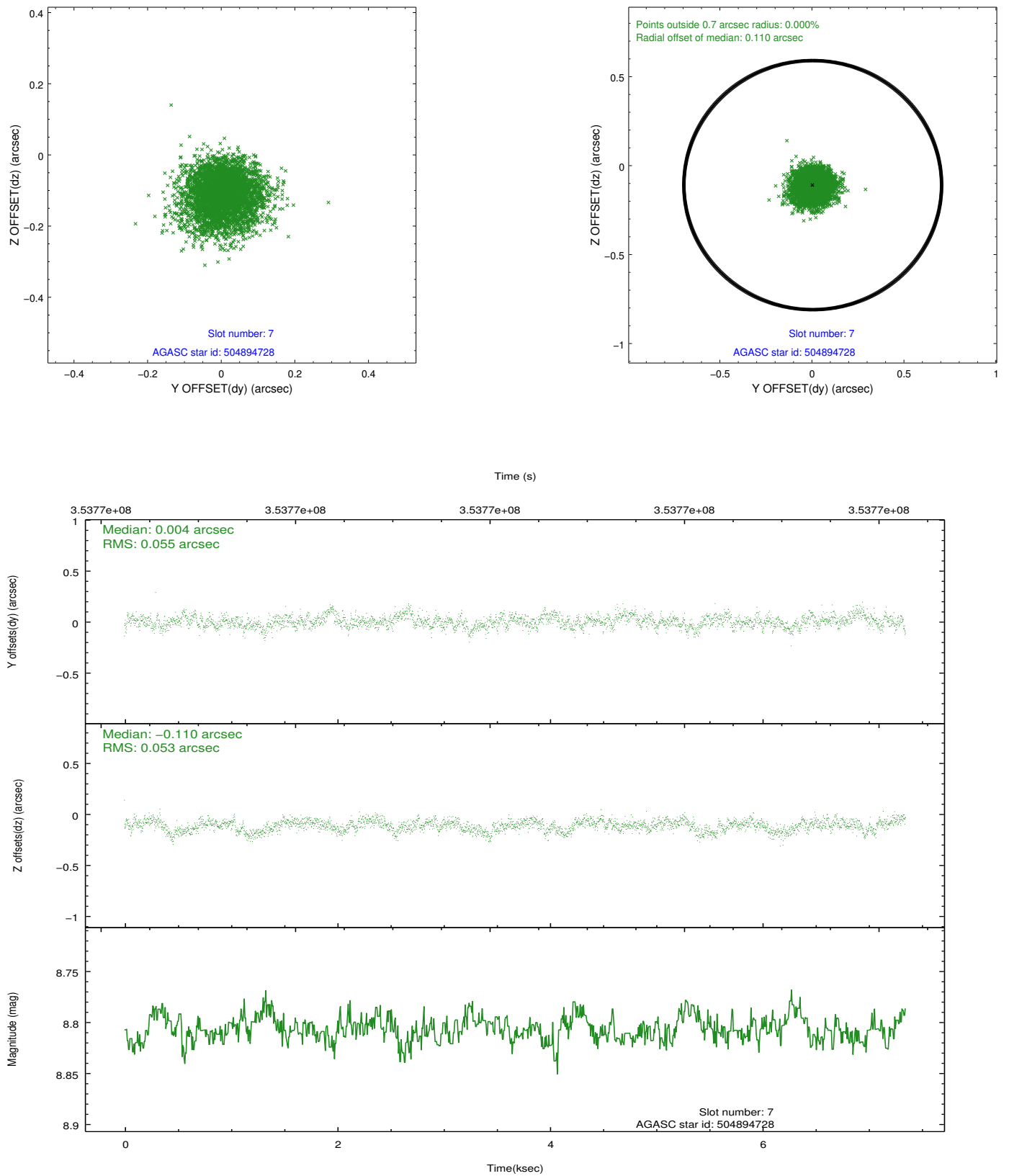
2.4.3 Slot 5



2.4.4 Slot 6

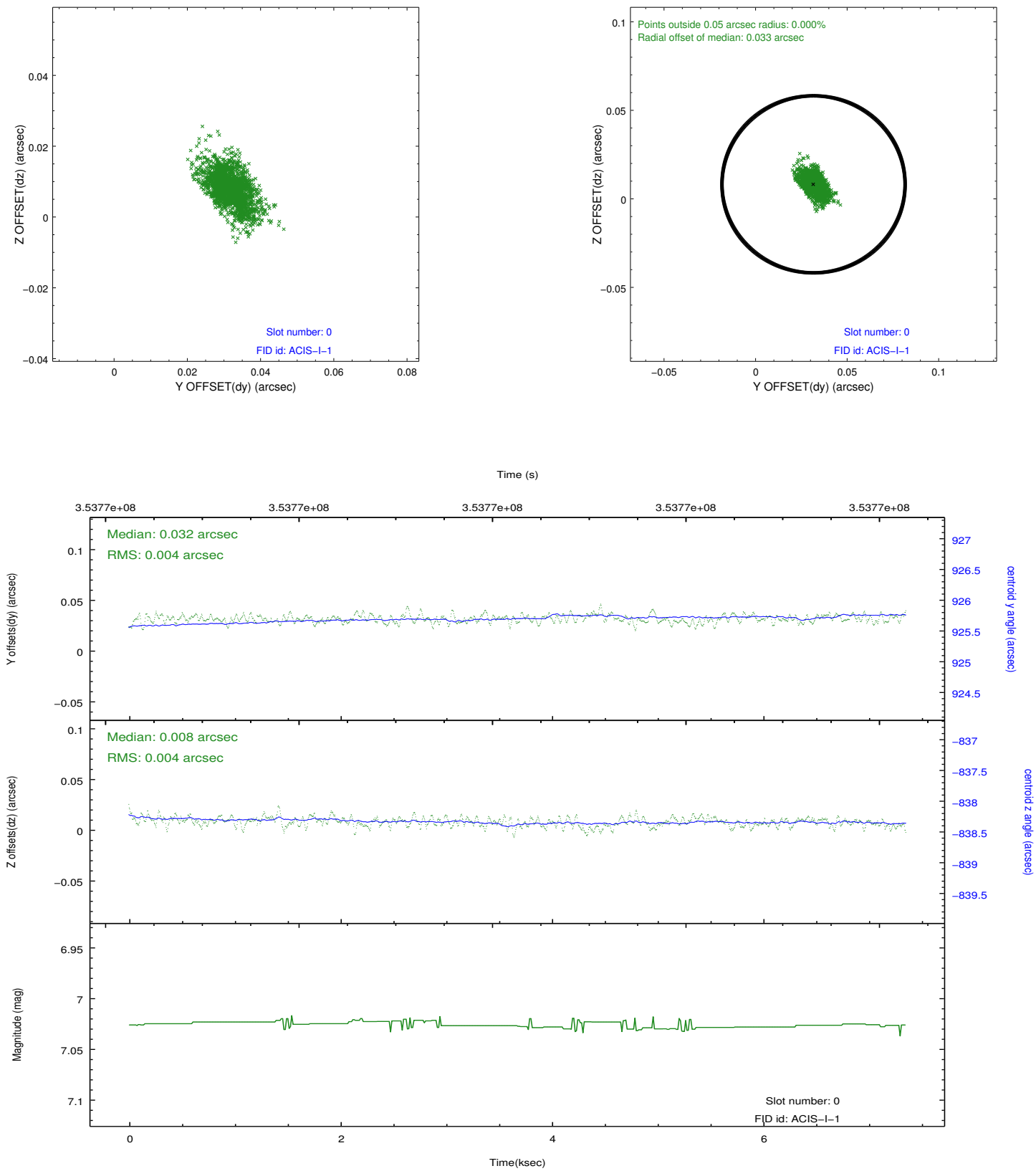


2.4.5 Slot 7

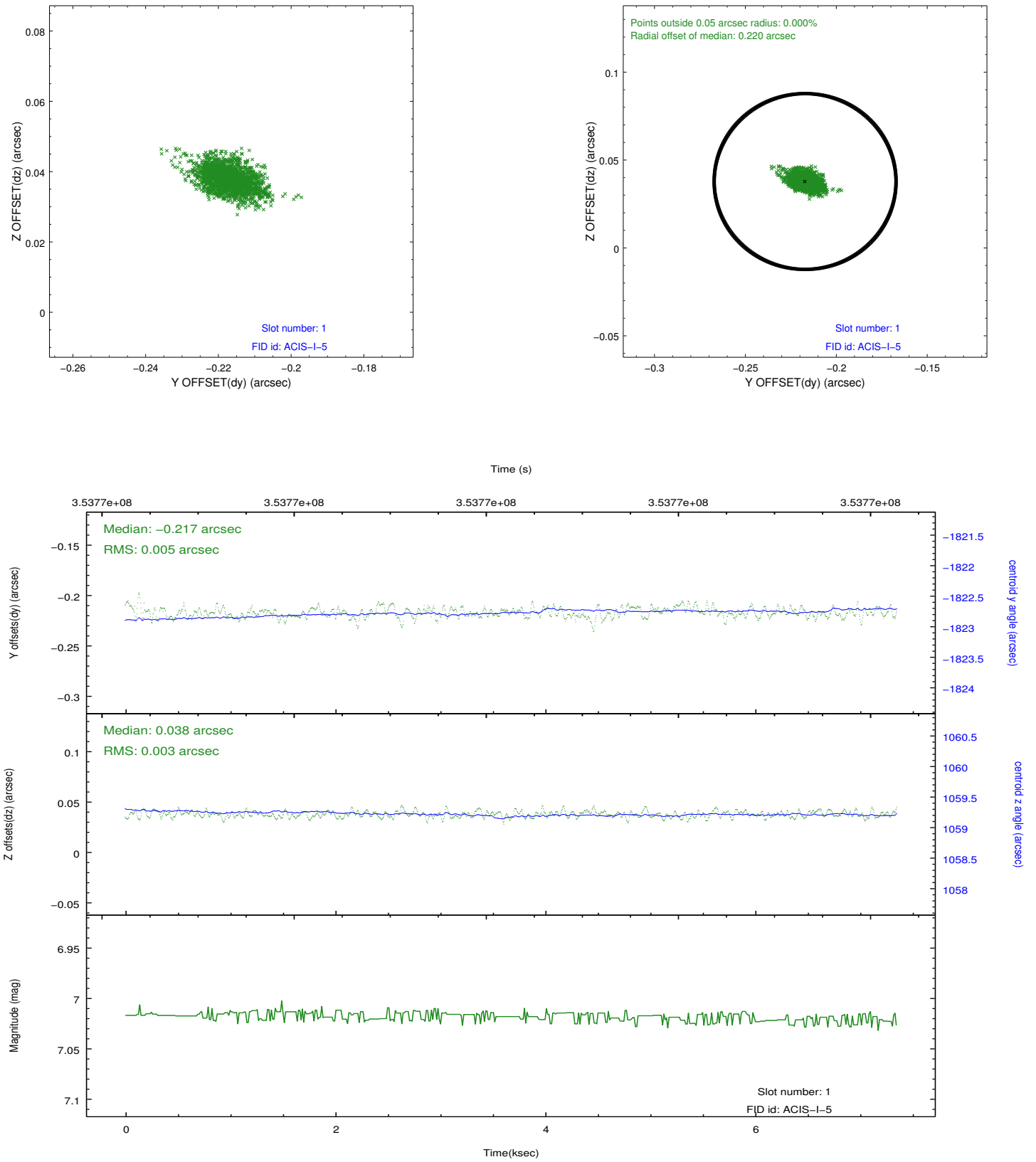


2.5 FID Slots

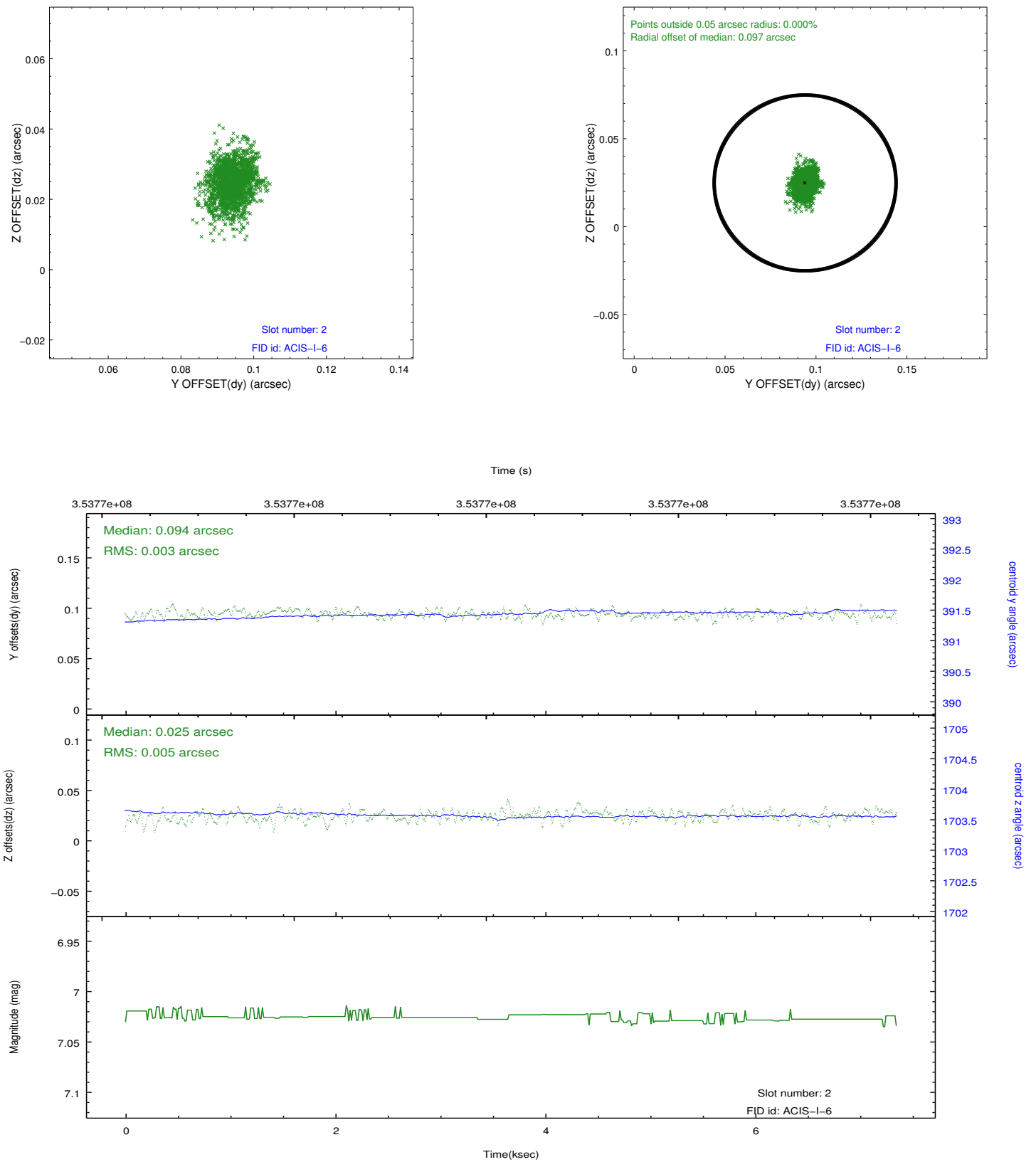
2.5.1 Slot 0



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)	2012.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.74250005

A.2 Comments

Joint proposal with Spitzer.

Roll preference met.