

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10483 - L2 Version 2
Chandra X-Ray Center

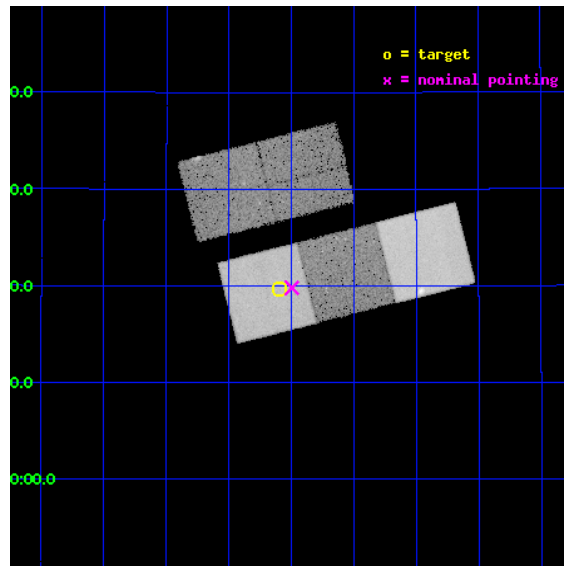
L2 Processing Date : Jun 3 2012

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1 Front

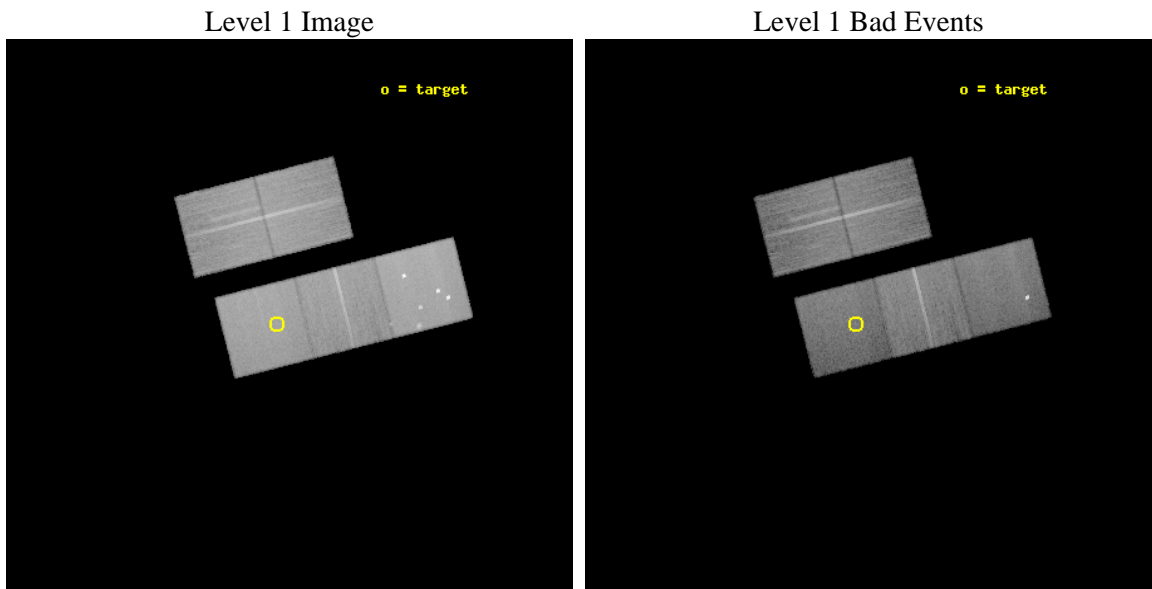
seq_num	800838	Sequence number
obs_id	10483	Observation id
title	Deciphering Cluster Observables: Tracing the Baryons in Clusters of Galaxies	Proposal title
observer	Dr. Amalia Hicks	Principal investigator
object	RCS1325+2919	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	201.3975	Observer's specified target RA [deg]
dec_targ	29.327444	Observer's specified target Dec [deg]
ra_nom	201.37364691227	Nominal RA [deg]
dec_nom	29.33011498702	Nominal Dec [deg]
roll_nom	165.82493344152	Nominal Roll [deg]
revision	2	Processing version of data
ontime	22645.500174165	Sum of GTIs [s]
livetime	22349.620043015	Livetime [s]
ontime2	22645.500174165	Sum of GTIs [s]
ontime3	22642.359173834	Sum of GTIs [s]
ontime5	22645.500174165	Sum of GTIs [s]
ontime6	22639.218163669	Sum of GTIs [s]
ontime7	22645.500174165	Sum of GTIs [s]
l2events	284672	Number of level 2 events



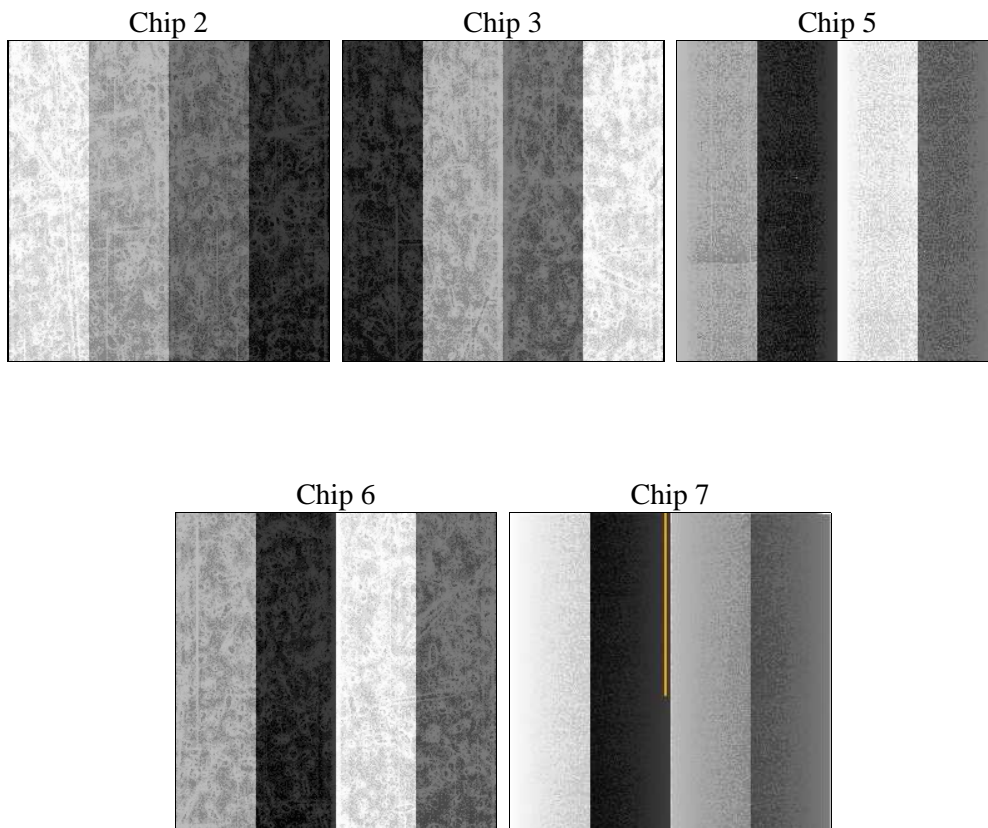
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	22500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	22645.500174165	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	22645.500174165	Sum of GTIs [s]
date	2012-06-03T23:33:40	Date and time of file creation	ontime3	22642.359173834	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	22645.500174165	Sum of GTIs [s]
			ontime6	22639.218163669	Sum of GTIs [s]
			ontime7	22645.500174165	Sum of GTIs [s]
			l1events	1140459	Number of level 1 events

2.1.4 Events

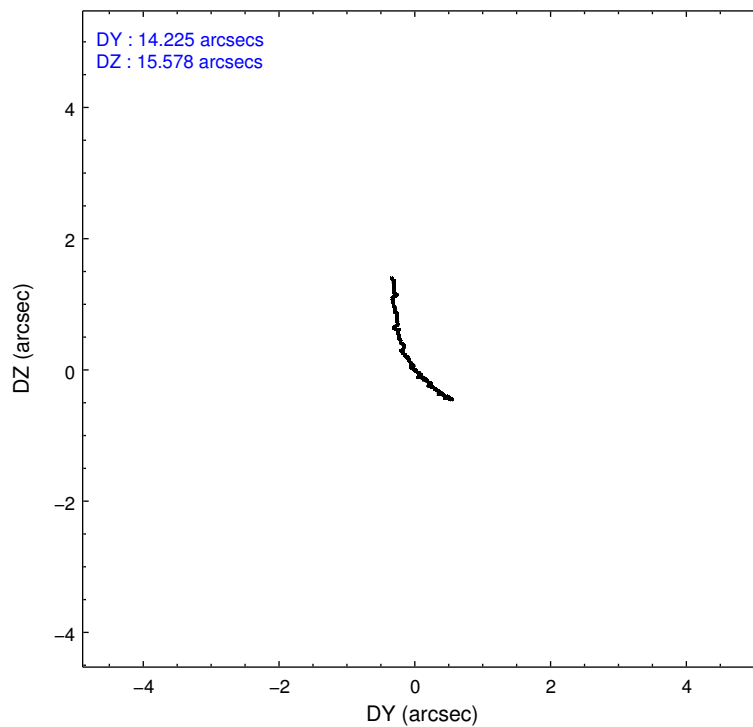
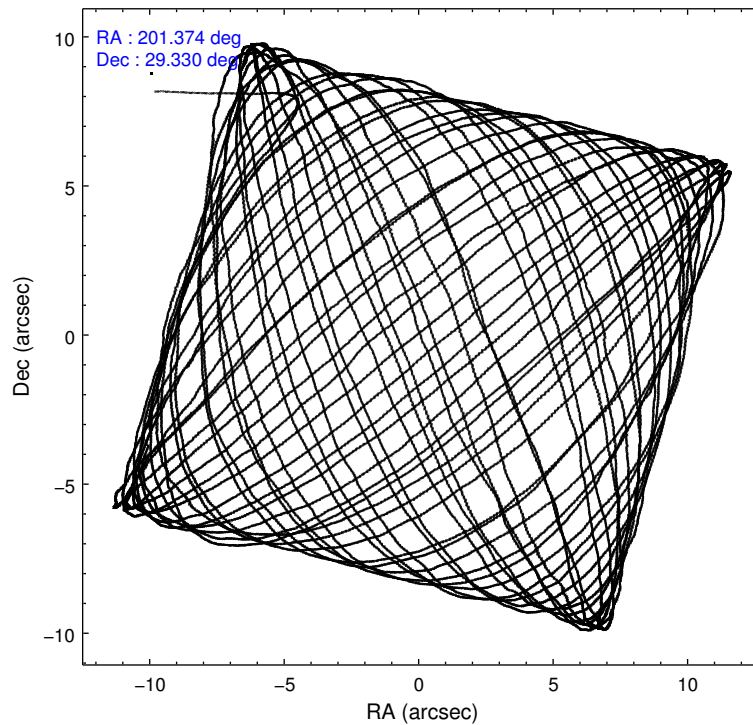
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	203764	196757	304573	205556	229809
rejected events	184069	177550	151309	184241	126976
rejected %	90%	90%	49%	89%	55%

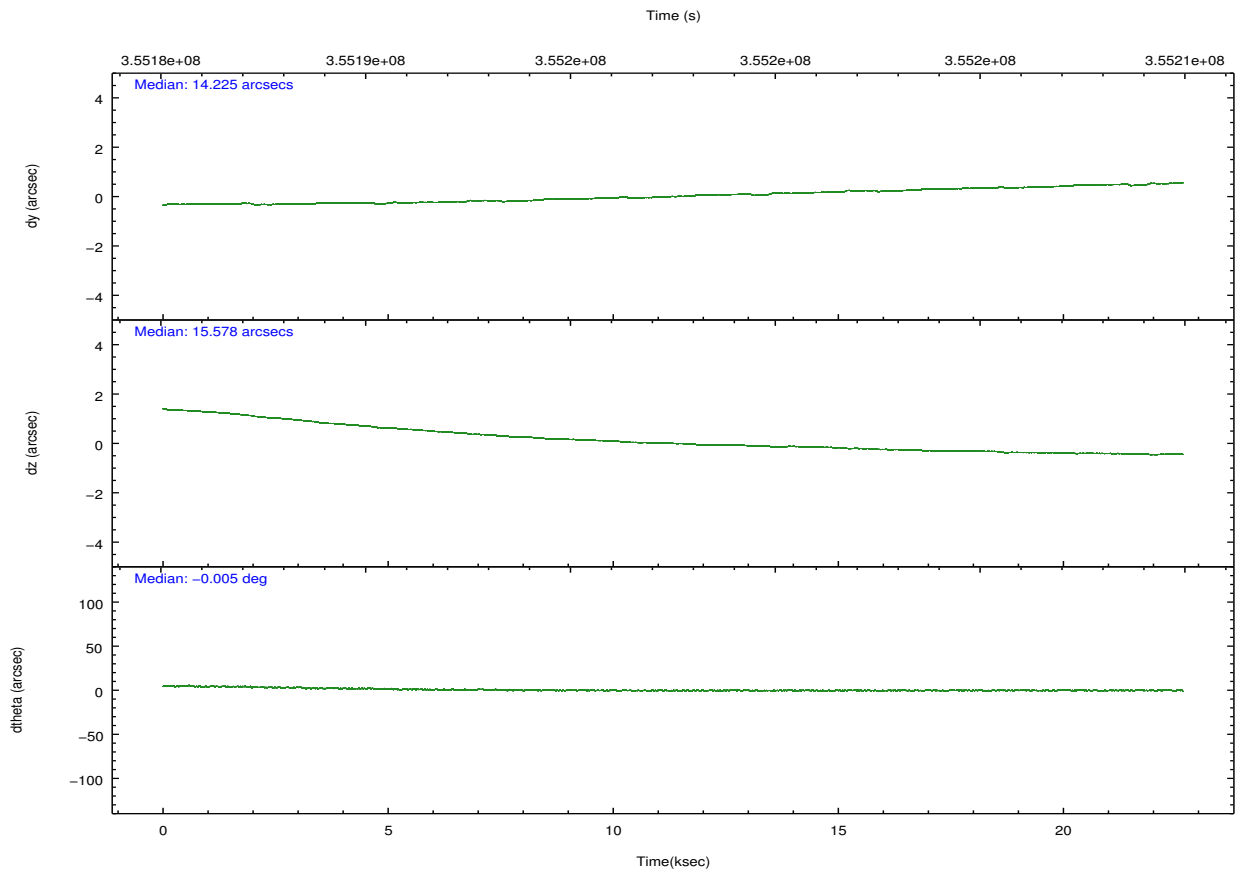
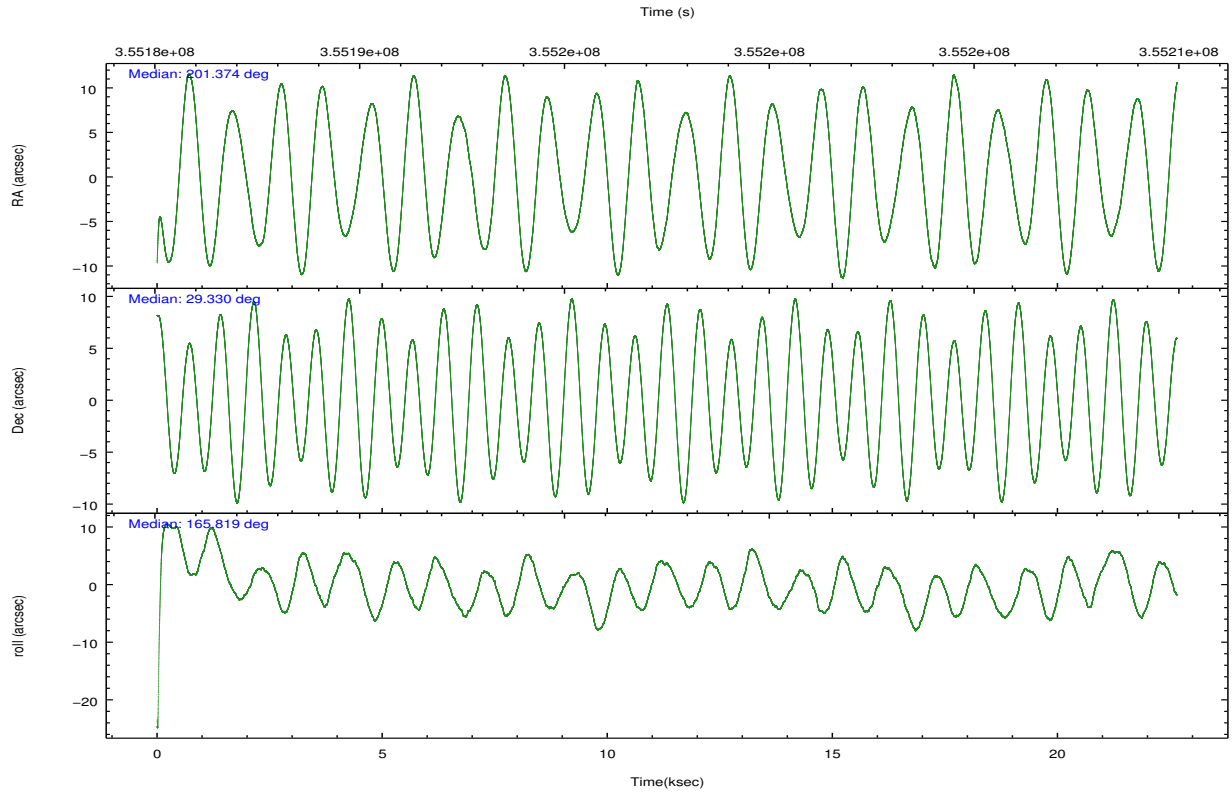
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	7278	7234	25663	7680	9567
	3%	3%	8%	3%	4%
grade 1 events	105	112	1051	98	288
	0%	0%	0%	0%	0%
grade 2 events	4825	4246	43824	4758	21416
	2%	2%	14%	2%	9%
grade 3 events	2186	2075	6211	2373	9532
	1%	1%	2%	1%	4%
grade 4 events	2110	2087	5919	2340	9433
	1%	1%	1%	1%	4%
grade 5 events	6844	8177	26084	8403	24250
	3%	4%	8%	4%	10%
grade 6 events	3633	3898	74218	4501	54587
	1%	1%	24%	2%	23%
grade 7 events	176783	168928	121603	175403	100736
	86%	85%	39%	85%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	201.403732	201.3736469122704	CCD I2 on	O1	Y
[deg] Pointing Dec	29.337930	29.33011498702044	CCD I3 on	O2	Y
[deg] Pointing Roll	165.653592	165.8249334415205	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O4	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O3	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	N	N
[s] Observation start time (MET)	355186330.184000	355185154.38343	CCD S5 on	N	N
Observation start date	2009-04-03T22:51:04	2009-04-03T22:32:34	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	355208830.184000	355210226.90967	On-chip summing requested	N	N
Observation end date	2009-04-04T05:06:04	2009-04-04T05:30:26	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



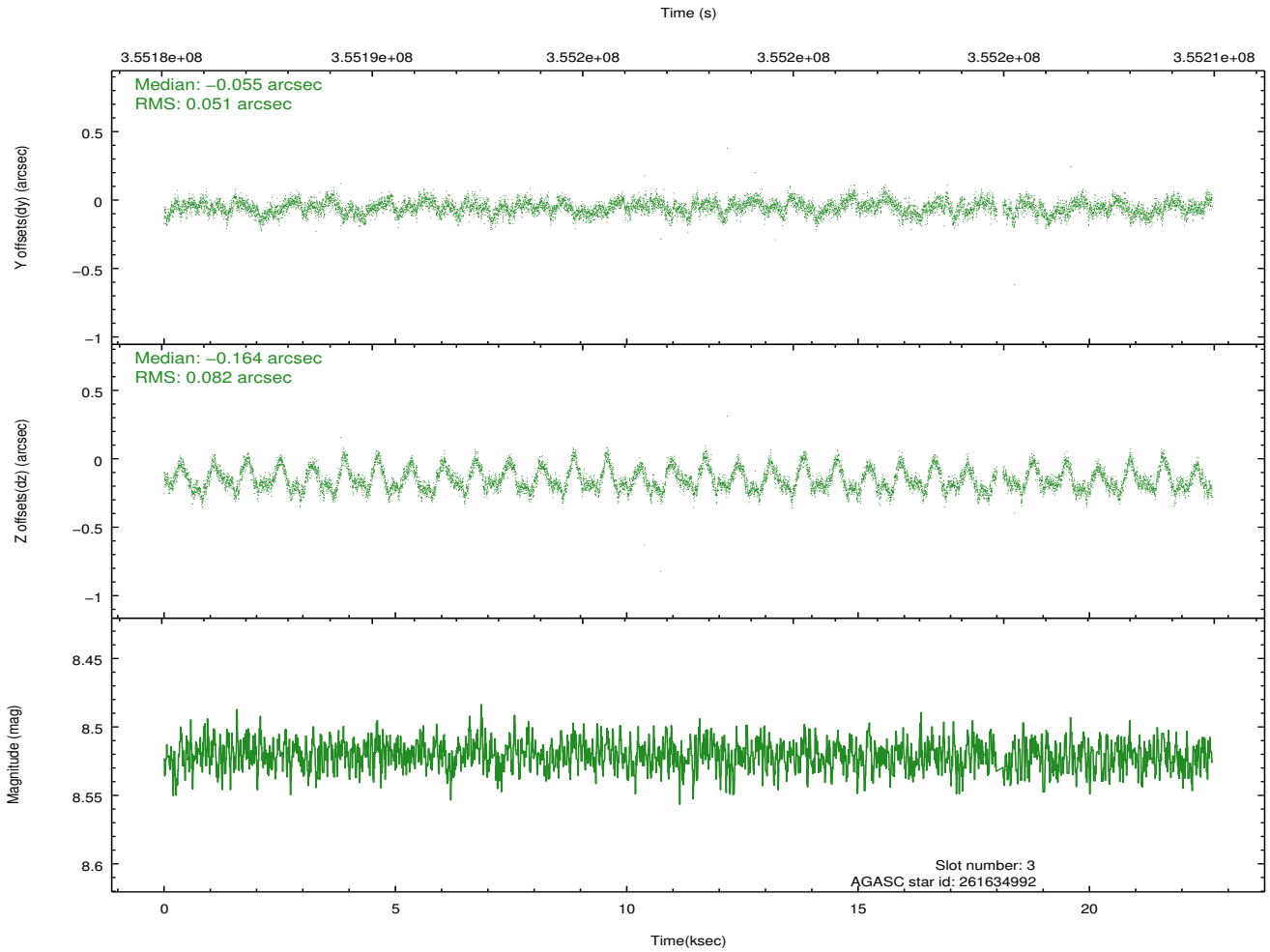
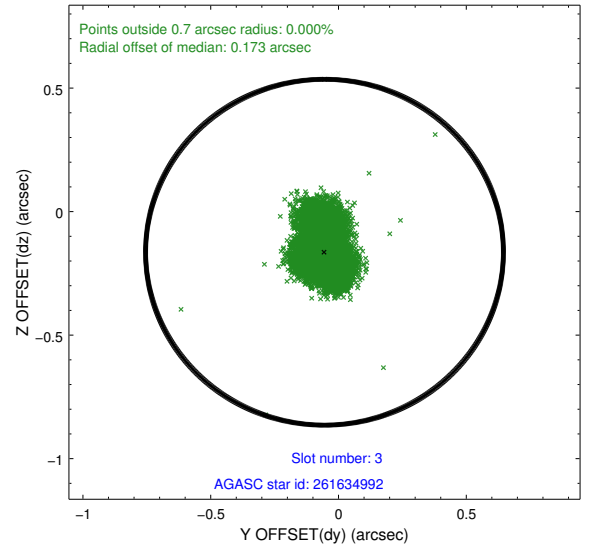
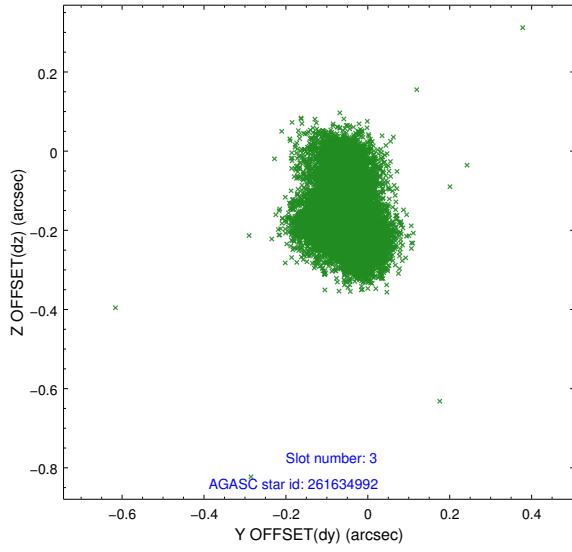


Slot Statistics

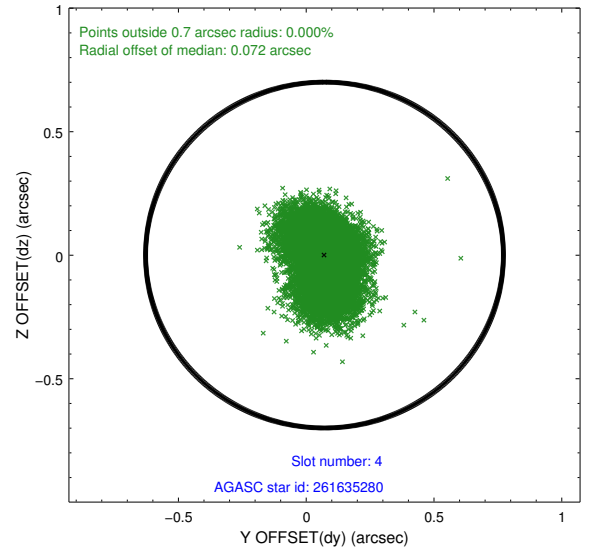
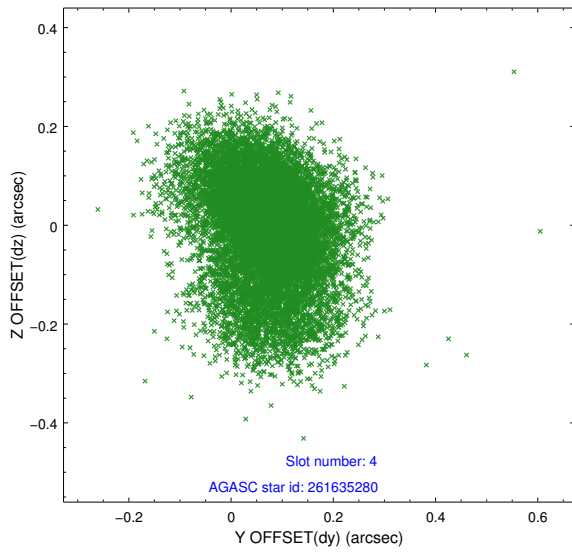
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.90	5525	-0.071	-0.013	0.017	0.038	0.000000	0.000000	-767.27	-1737.11
1	FID	ACIS-S-4	6.99	5525	0.180	0.038	0.012	0.023	0.000000	0.000000	2146.18	171.28
2	FID	ACIS-S-5	7.01	5525	-0.147	-0.014	0.020	0.029	0.000000	0.000000	-1820.01	165.05
3	GUIDE	261634992	8.52	10986	-0.055	-0.164	0.101	0.167	200.763863	29.074625	1717.04	1412.21
4	GUIDE	261635280	9.41	10950	0.072	0.001	0.138	0.232	200.698979	28.862615	1730.59	2202.52
5	GUIDE	262538384	10.02	10966	0.035	0.099	0.209	0.314	201.107455	29.696999	1218.61	-1023.37
6	GUIDE	262541040	8.10	11040	-0.028	-0.071	0.130	0.196	201.795177	28.874292	-1608.33	1309.11
7	GUIDE	262543840	10.19	11025	0.008	0.115	0.235	0.352	201.181001	29.472362	796.34	-296.09

2.4 Star Slots

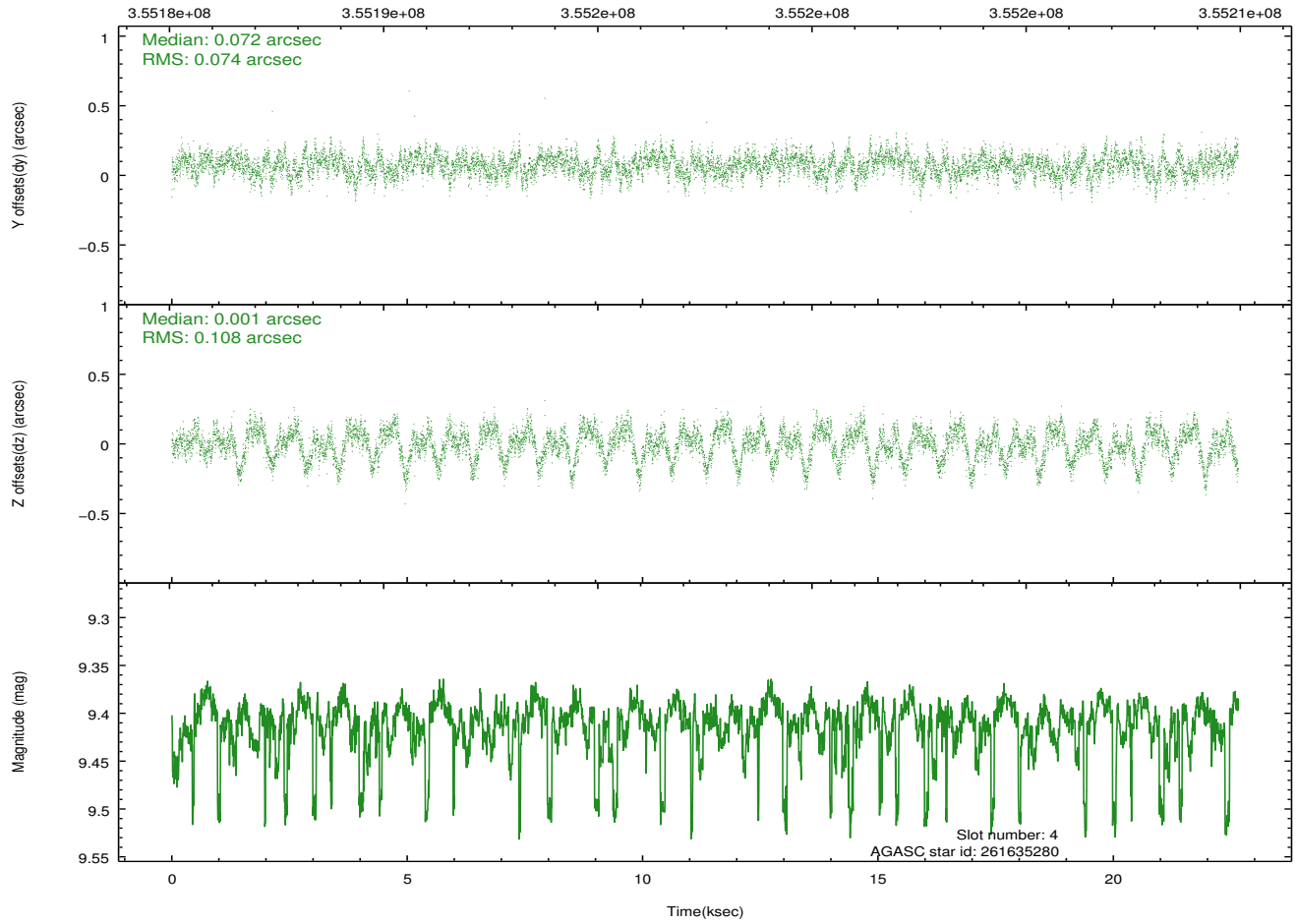
2.4.1 Slot 3



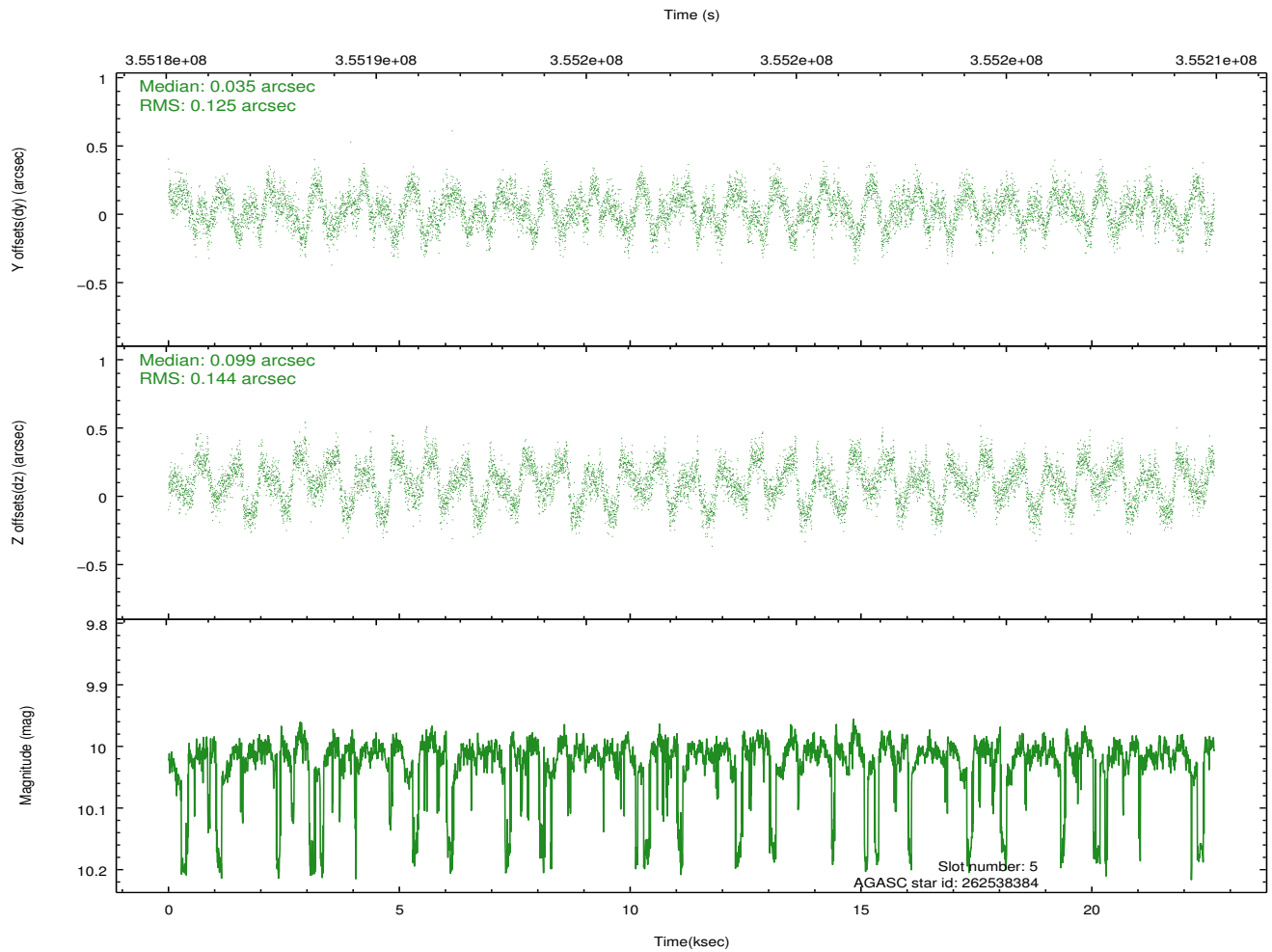
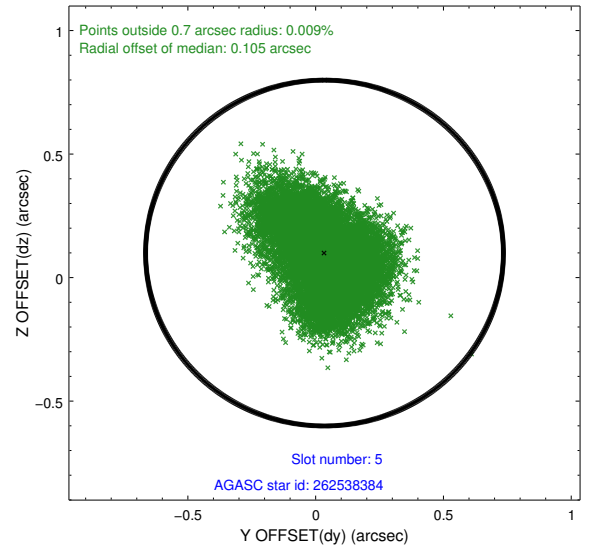
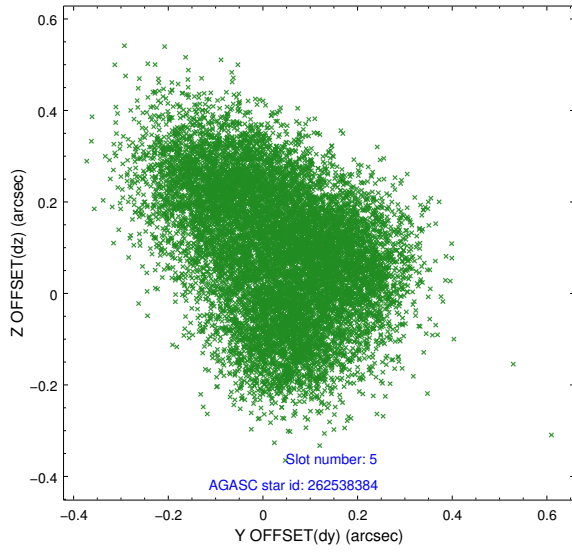
2.4.2 Slot 4



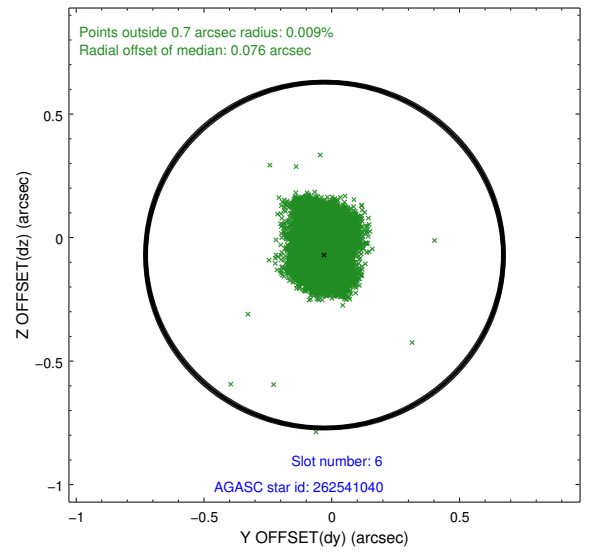
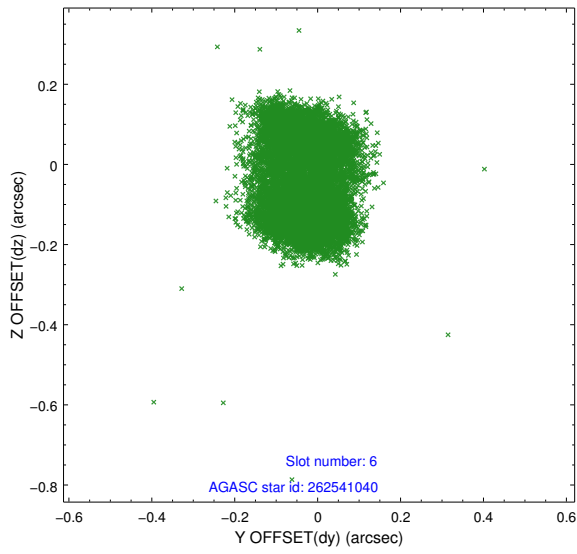
Time (s)



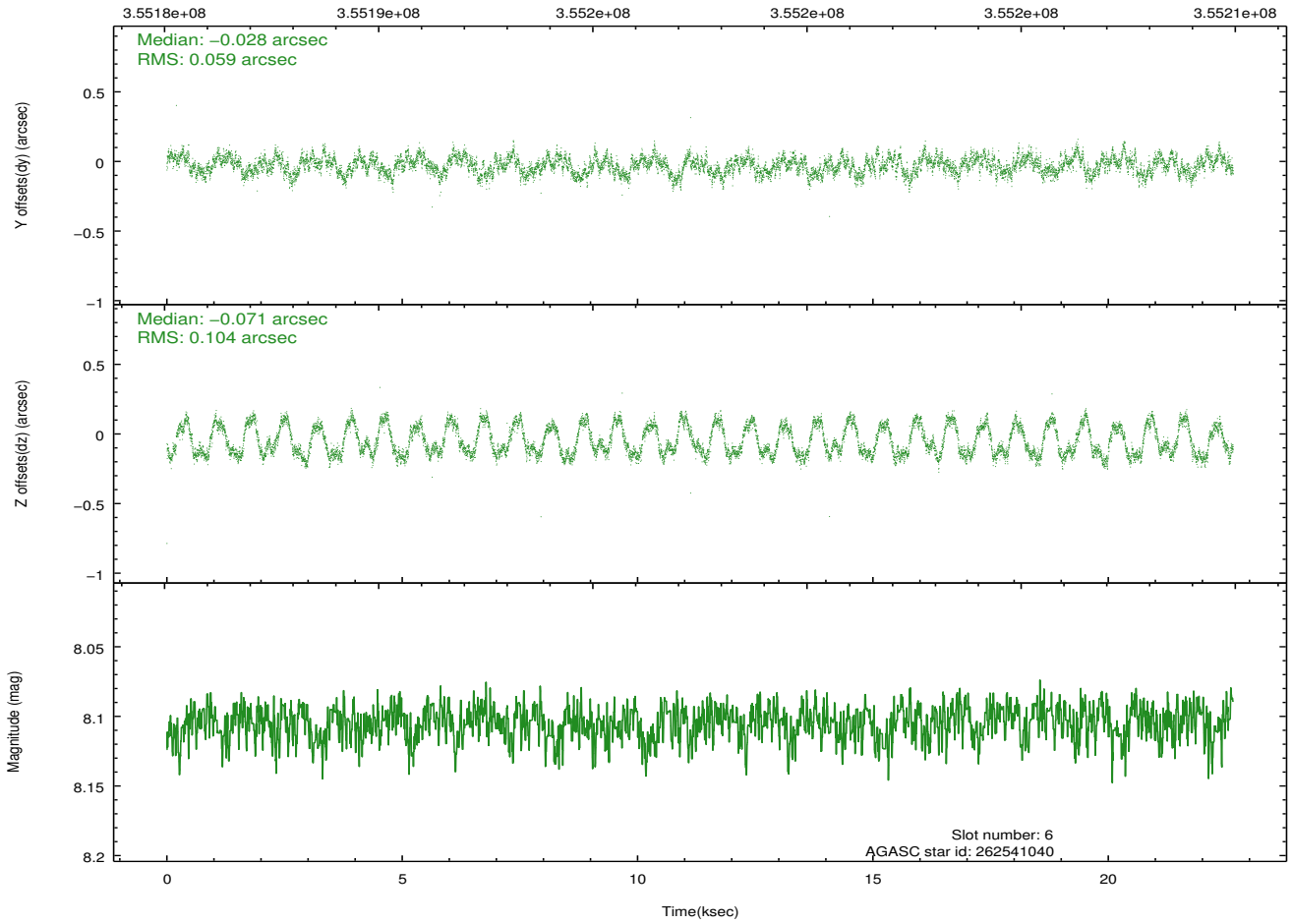
2.4.3 Slot 5



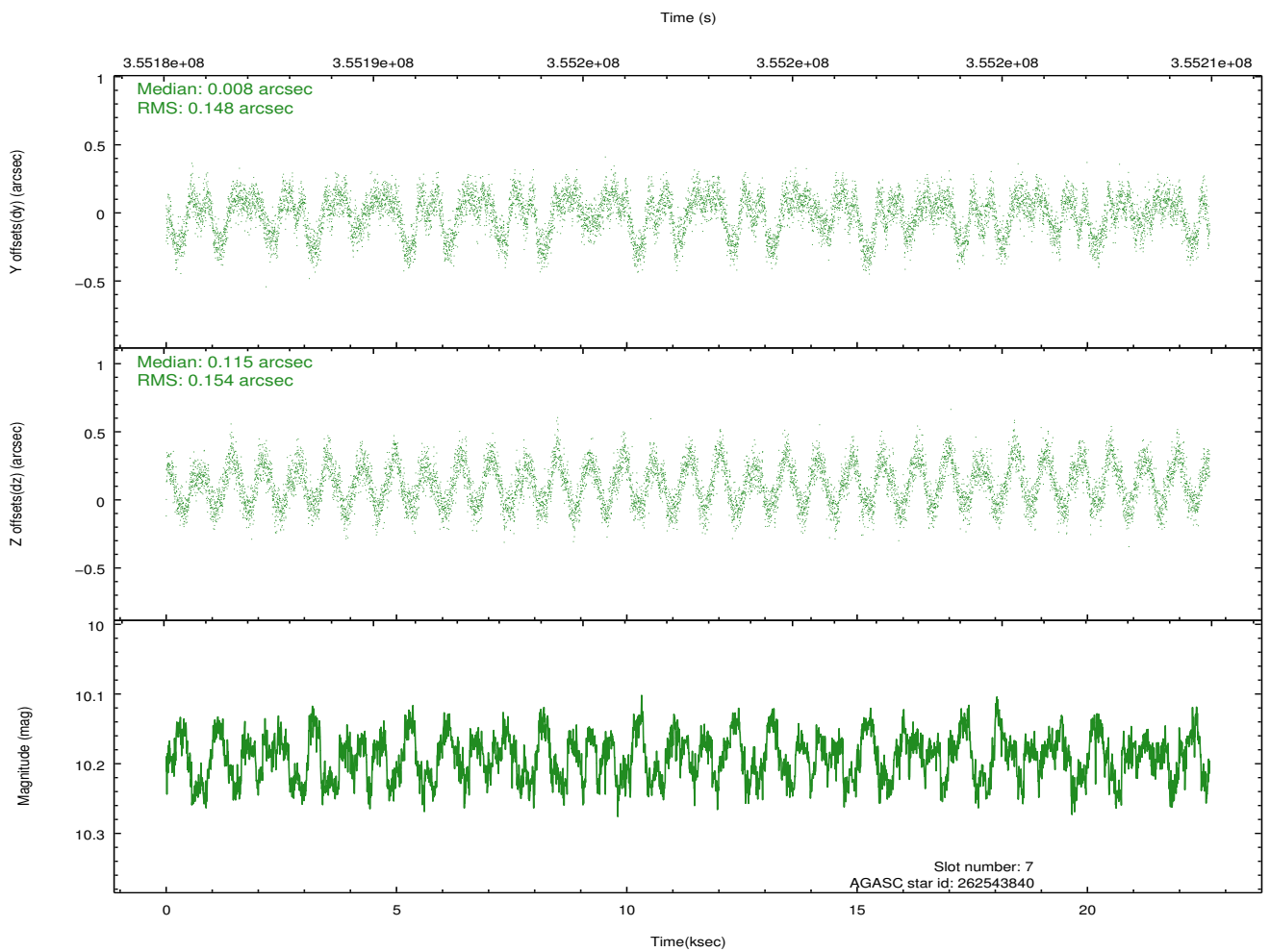
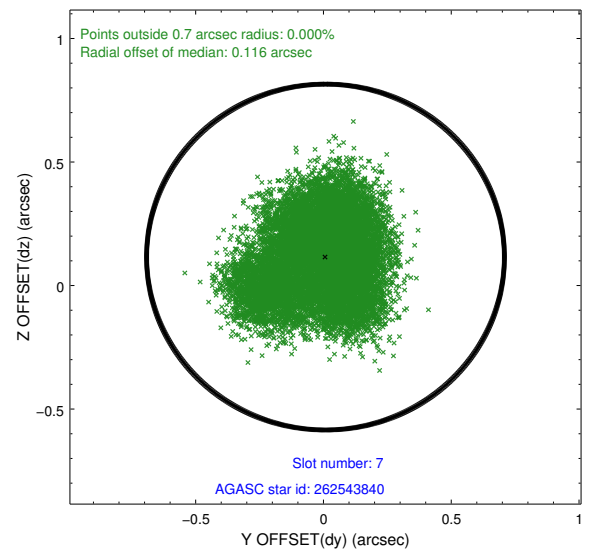
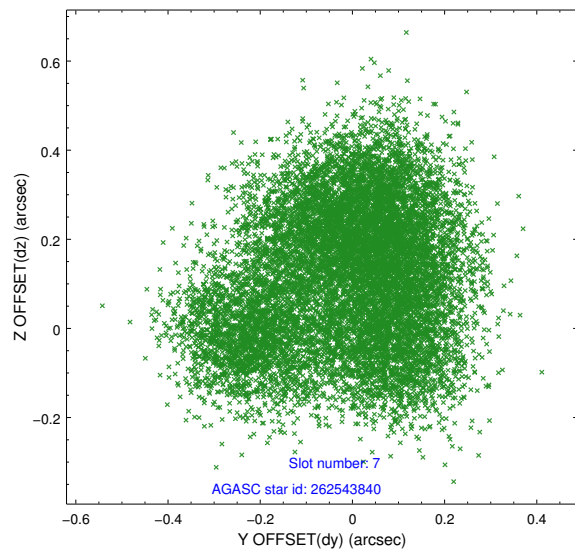
2.4.4 Slot 6



Time (s)

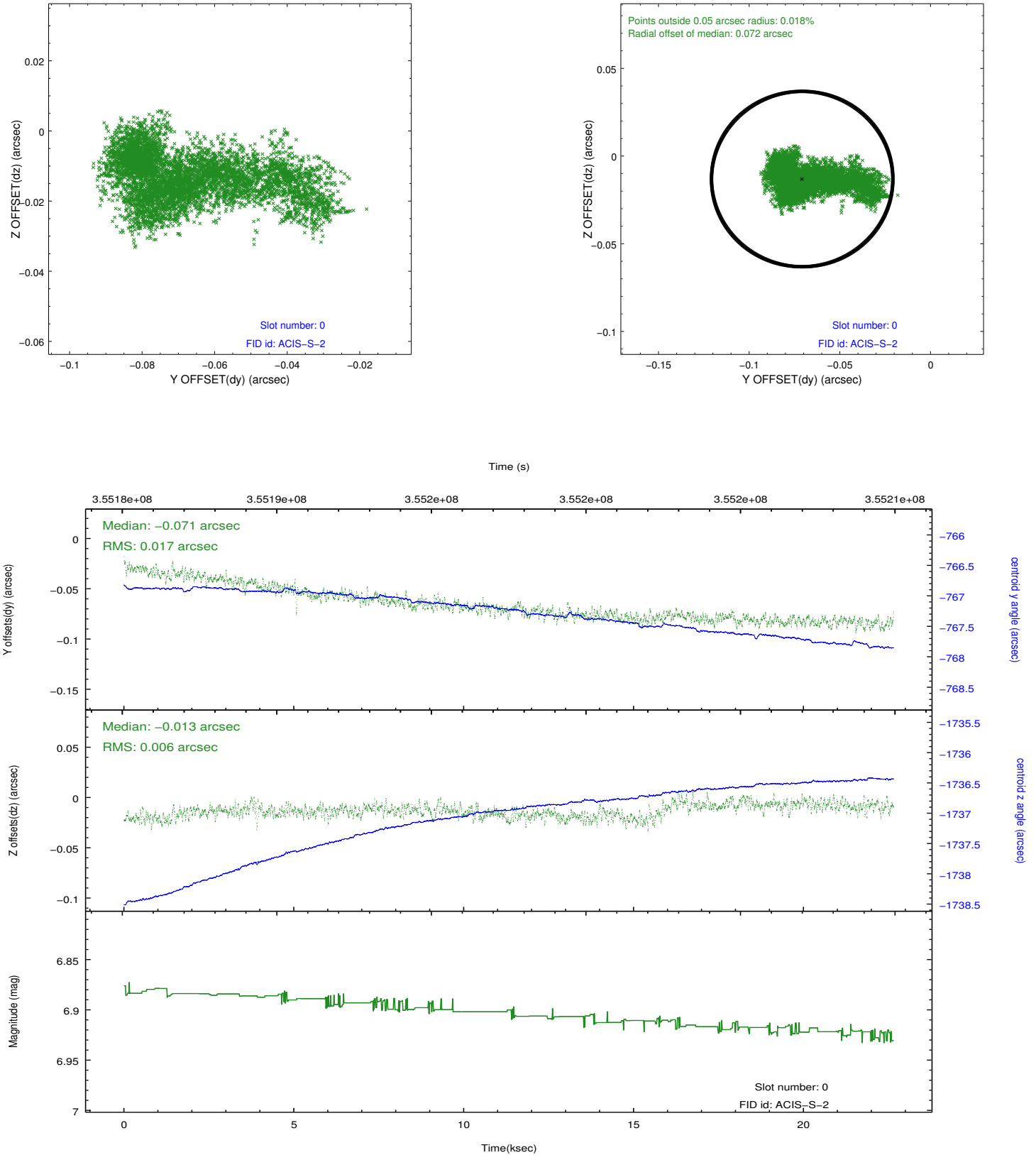


2.4.5 Slot 7

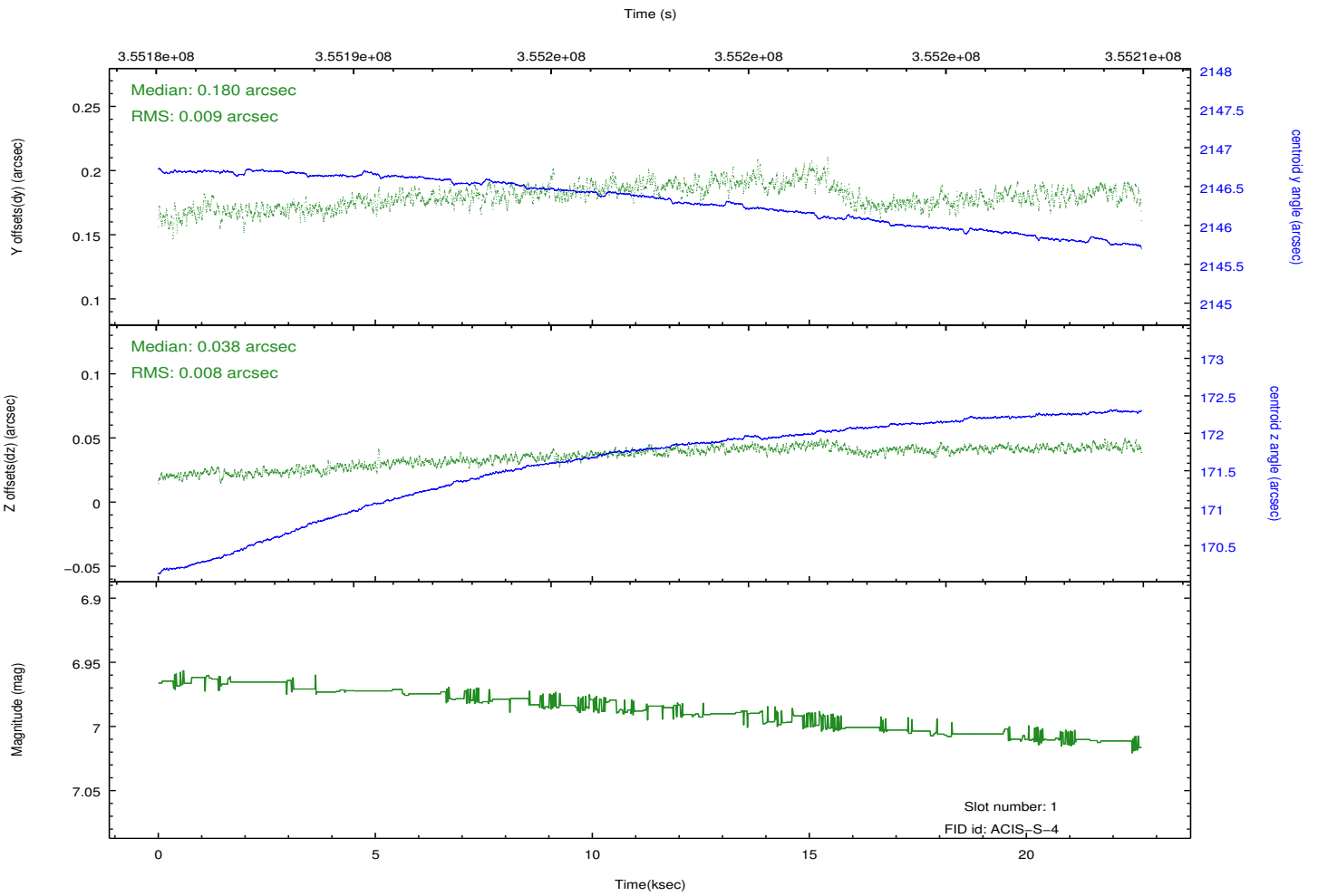
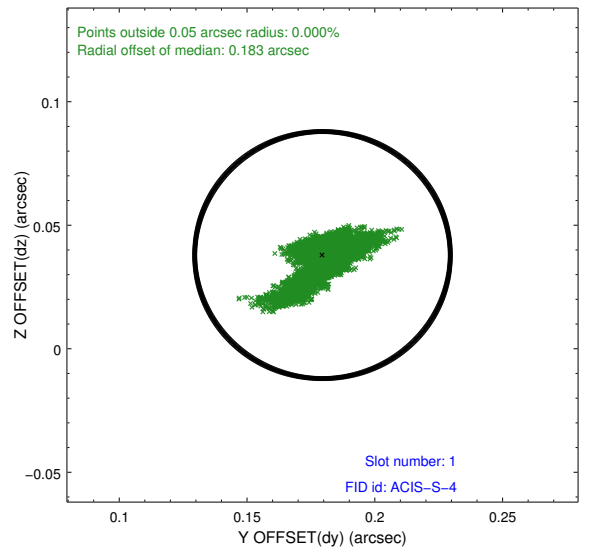
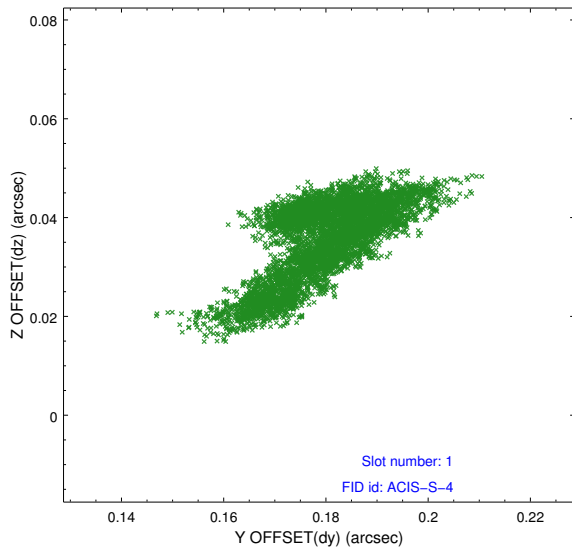


2.5 FID Slots

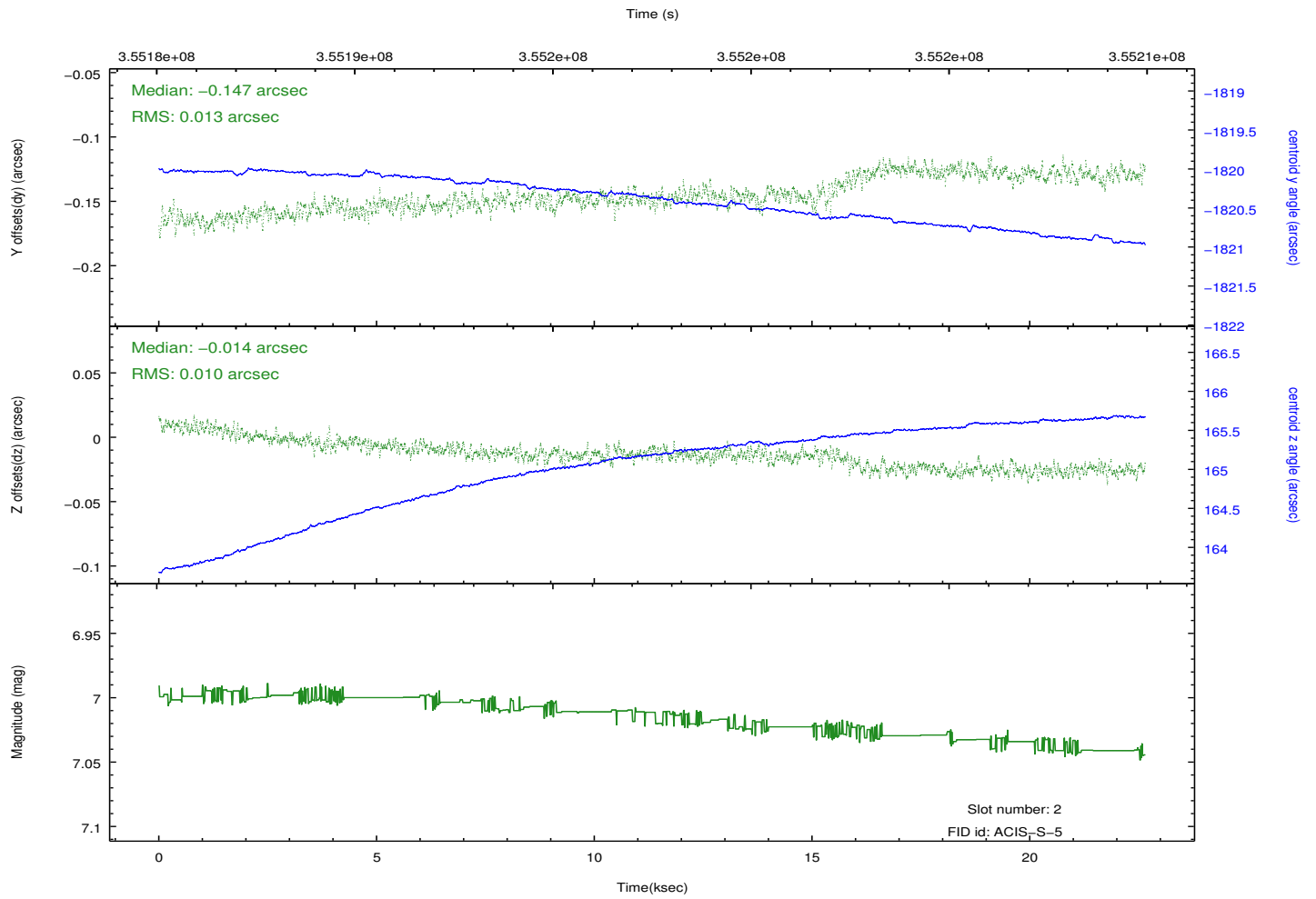
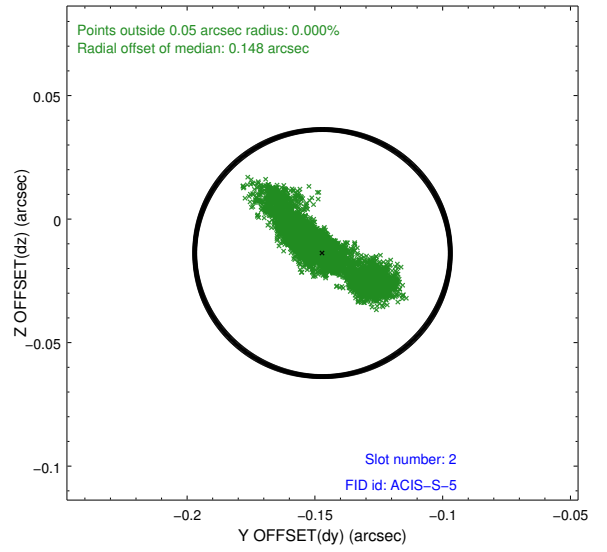
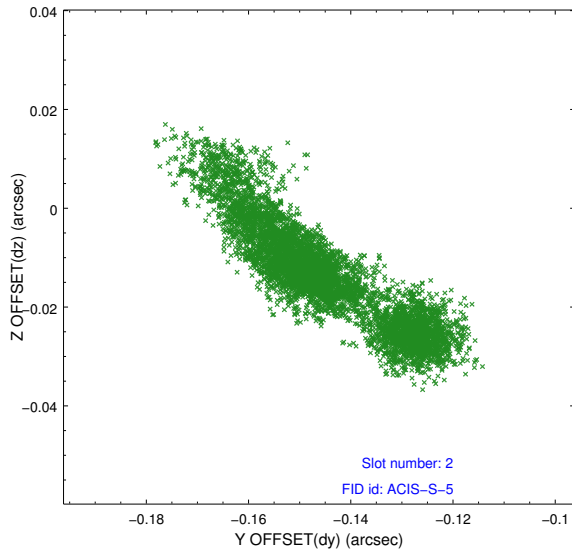
2.5.1 Slot 0



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)	2012.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	22.6455001

A.2 Comments