

V&V Reference Report

L2 ASCDS Version : 10.5

Observation 17751 - L2 Version 1
Chandra X-Ray Center

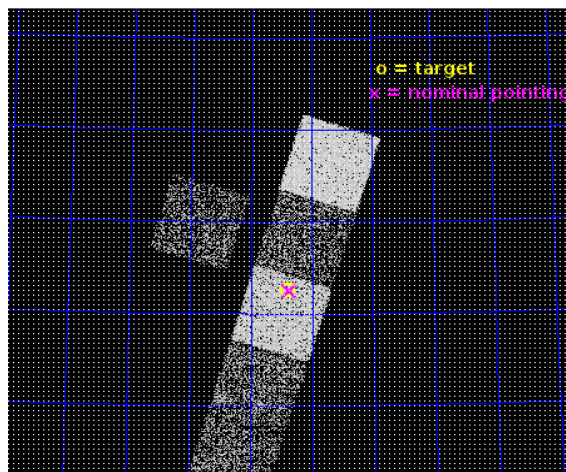
L2 Processing Date : Jul 23 2016

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1 Front

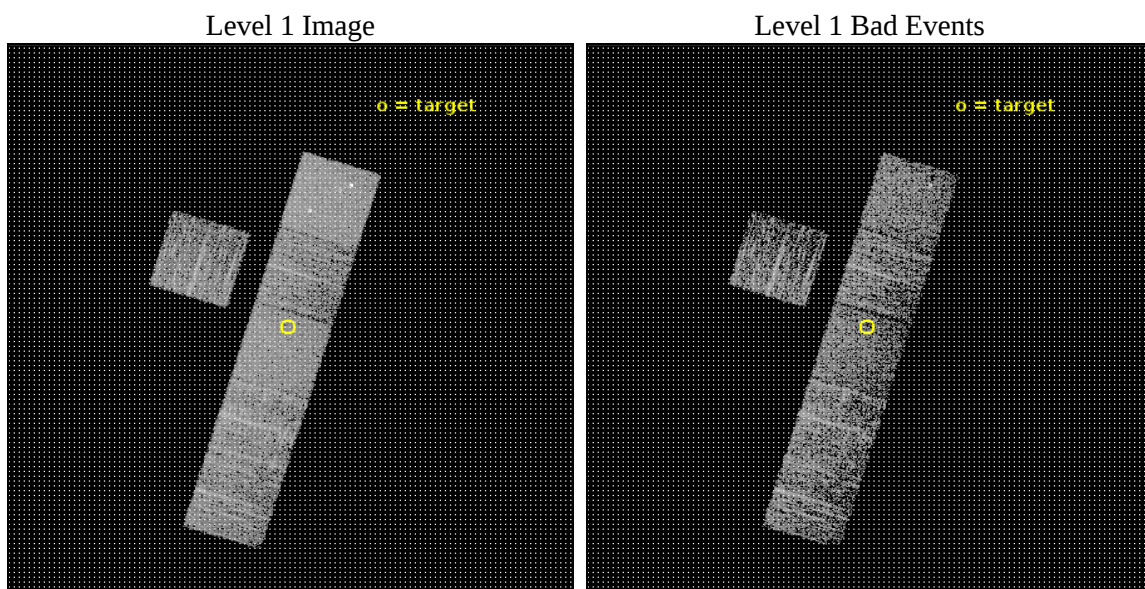
seq_num	201060	Sequence number
obs_id	17751	Observation id
title	Understanding the Rotation/Activity Relation: A New Low-Mass, Extreme-Spin Sample	Proposal title
observer	Peter Williams	Principal investigator
object	2MASS J00304867+7742338	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	7.699167	Observer's specified target RA [deg]
dec_targ	77.709	Observer's specified target Dec [deg]
ra_nom	7.6868728028821	Nominal RA [deg]
dec_nom	77.708732975872	Nominal Dec [deg]
roll_nom	107.16861081495	Nominal Roll [deg]
revision	1	Processing version of data
ontime	2908.8000433445	Sum of GTIs [s]
livetime	2871.9670657266	Livetime [s]
ontime2	2908.7789049149	Sum of GTIs [s]
ontime5	2908.8000433445	Sum of GTIs [s]
ontime6	2908.8000433445	Sum of GTIs [s]
ontime7	2908.8000433445	Sum of GTIs [s]
ontime8	2908.8000433445	Sum of GTIs [s]
ontime9	2908.8000433445	Sum of GTIs [s]
l2events	31149	Number of level 2 events



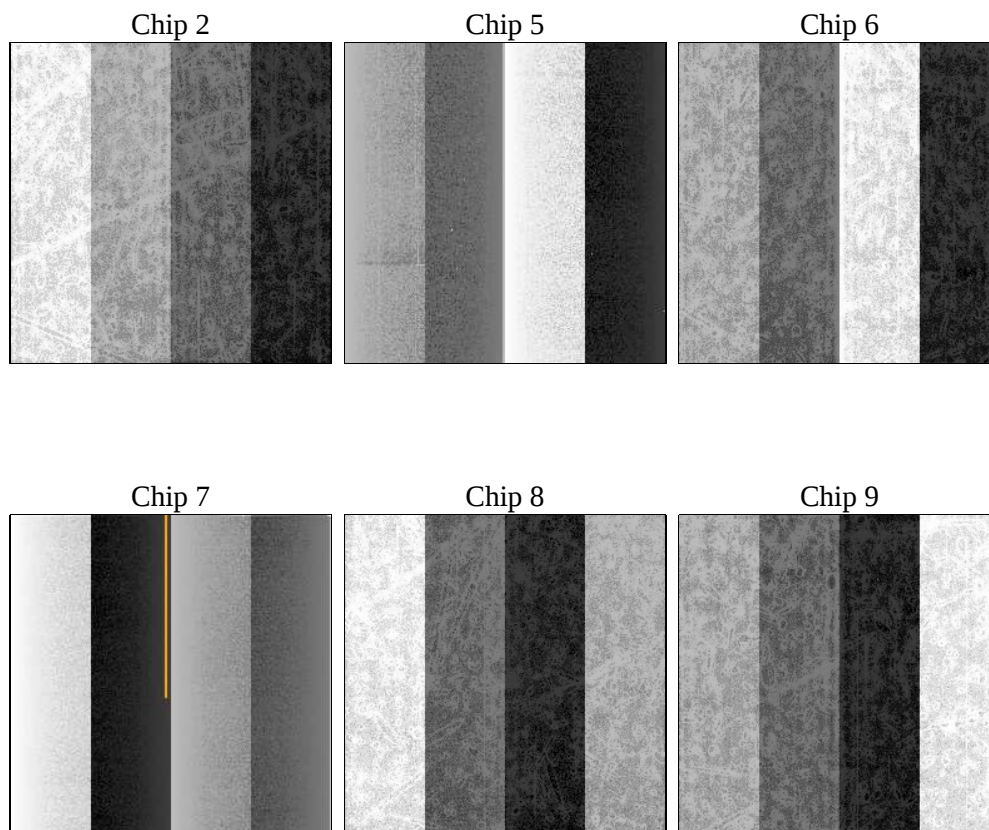
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2980.000000	[s] Scheduled observation exposure time
ascdsver	10.5	Processing system revision	ontime	2908.8000433445	Sum of GTIs [s]
caldsver	4.7.2	 	ontime2	2908.7789049149	Sum of GTIs [s]
date	2016-07-23T22:01:00	Date and time of file creation	ontime5	2908.8000433445	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	2908.8000433445	Sum of GTIs [s]
			ontime7	2908.8000433445	Sum of GTIs [s]
			ontime8	2908.8000433445	Sum of GTIs [s]
			ontime9	2908.8000433445	Sum of GTIs [s]
			l1events	134459	Number of level 1 events

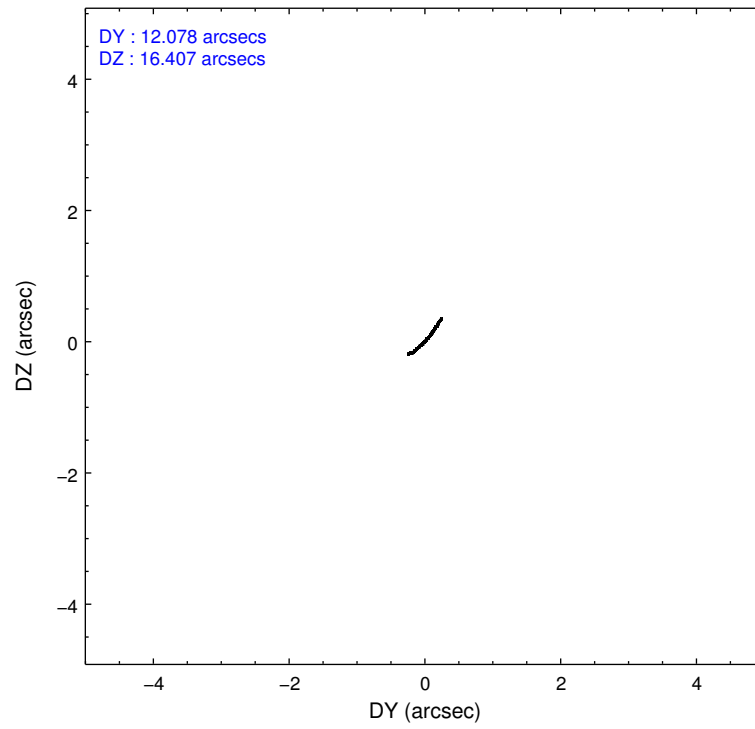
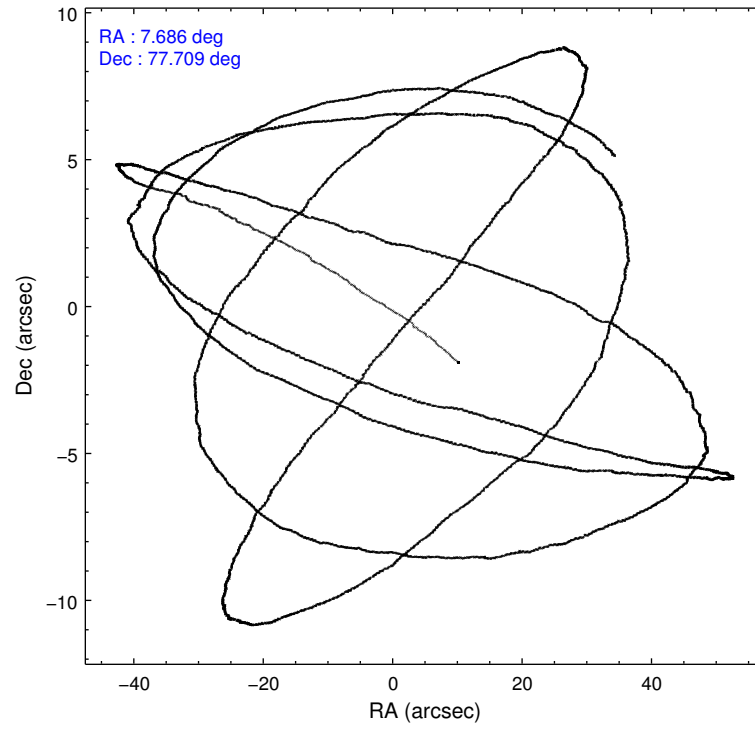
2.1.4 Events

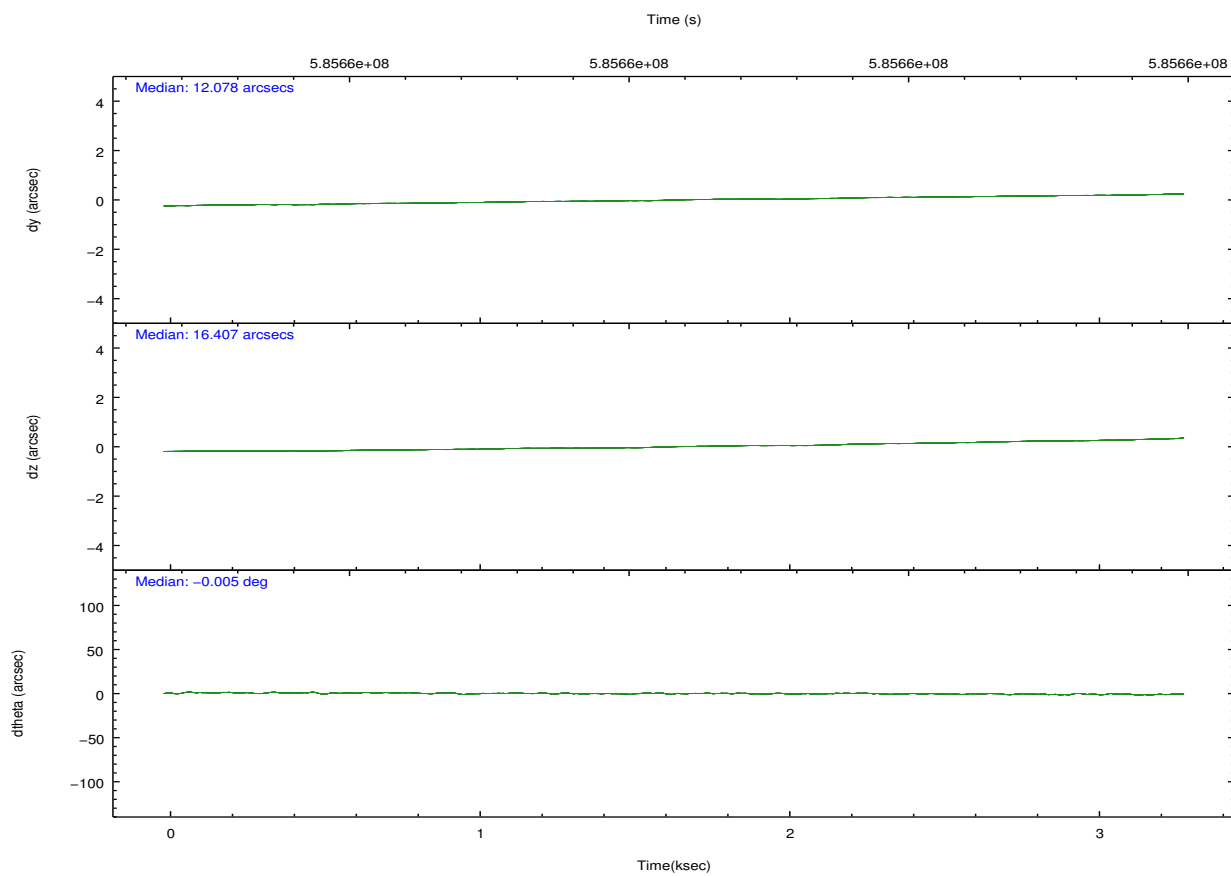
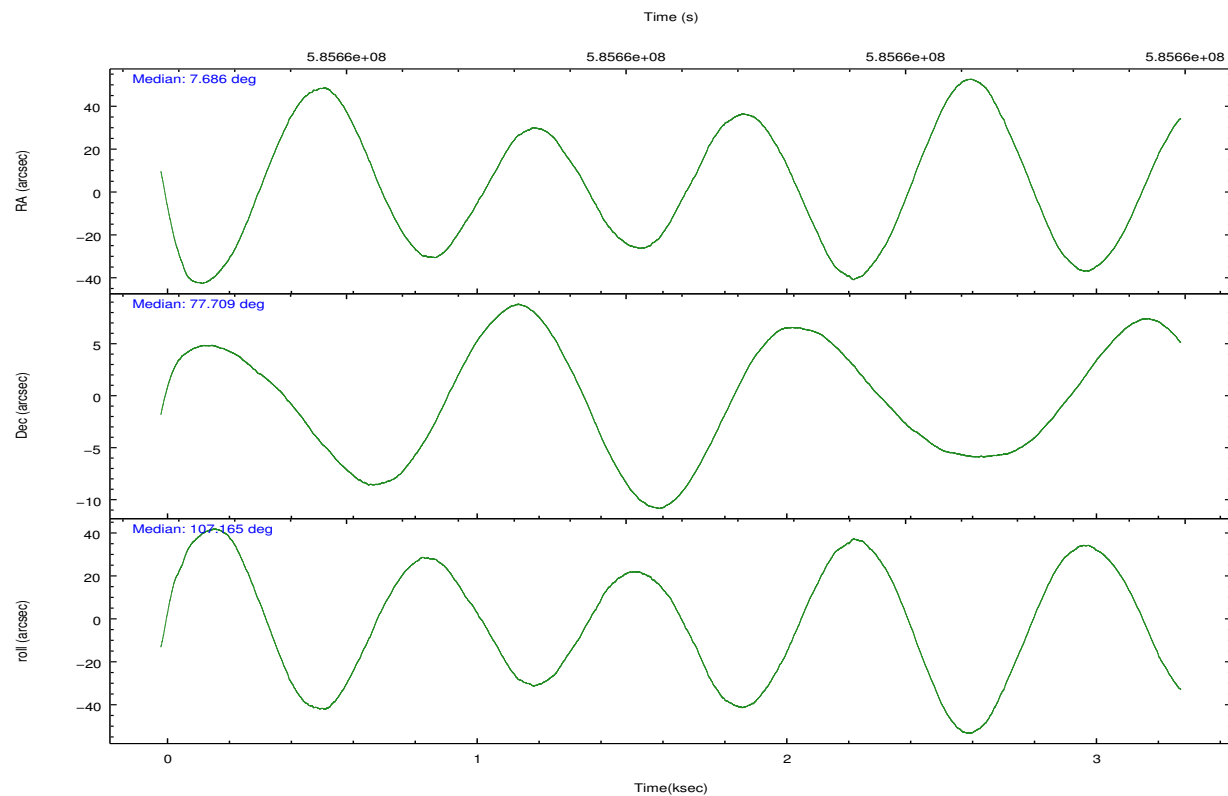
	ccd 2	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 2	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	17936	30807	18677	23995	24269	18775	grade 0 events	696	1892	764	900	1865	766
rejected events	16005	15205	16483	13548	18152	16508		3%	6%	4%	3%	7%	4%
rejected %	89%	49%	88%	56%	74%	87%	grade 1 events	13	135	8	38	24	17
								0%	0%	0%	0%	0%	0%
							grade 2 events	510	5157	521	2163	1463	542
								2%	16%	2%	9%	6%	2%
							grade 3 events	201	490	202	844	643	242
								1%	1%	1%	3%	2%	1%
							grade 4 events	192	465	209	850	622	209
								1%	1%	1%	3%	2%	1%
							grade 5 events	754	2134	899	2419	1275	996
								4%	6%	4%	10%	5%	5%
							grade 6 events	346	7618	500	5705	1526	510
								1%	24%	2%	23%	6%	2%
							grade 7 events	15224	12916	15574	11076	16851	15493
								84%	41%	83%	46%	69%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-256789	ACIS-256789	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	7.783045	7.686872802882135	CCD I2 on	O1	Y
[deg] Pointing Dec	77.690201	77.70873297587178	CCD I3 on	N	N
[deg] Pointing Roll	106.918041	107.1686108149475	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O3	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O5	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	O4	Y
[s] Observation start time (MET)	585654819.184000	585653793.39623	CCD S5 on	O2	Y
Observation start date	2016-07-23T09:52:31	2016-07-23T09:36:33	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	585657799.184000	585659275.60905	On-chip summing requested	N	N
Observation end date	2016-07-23T10:42:11	2016-07-23T11:07:55	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



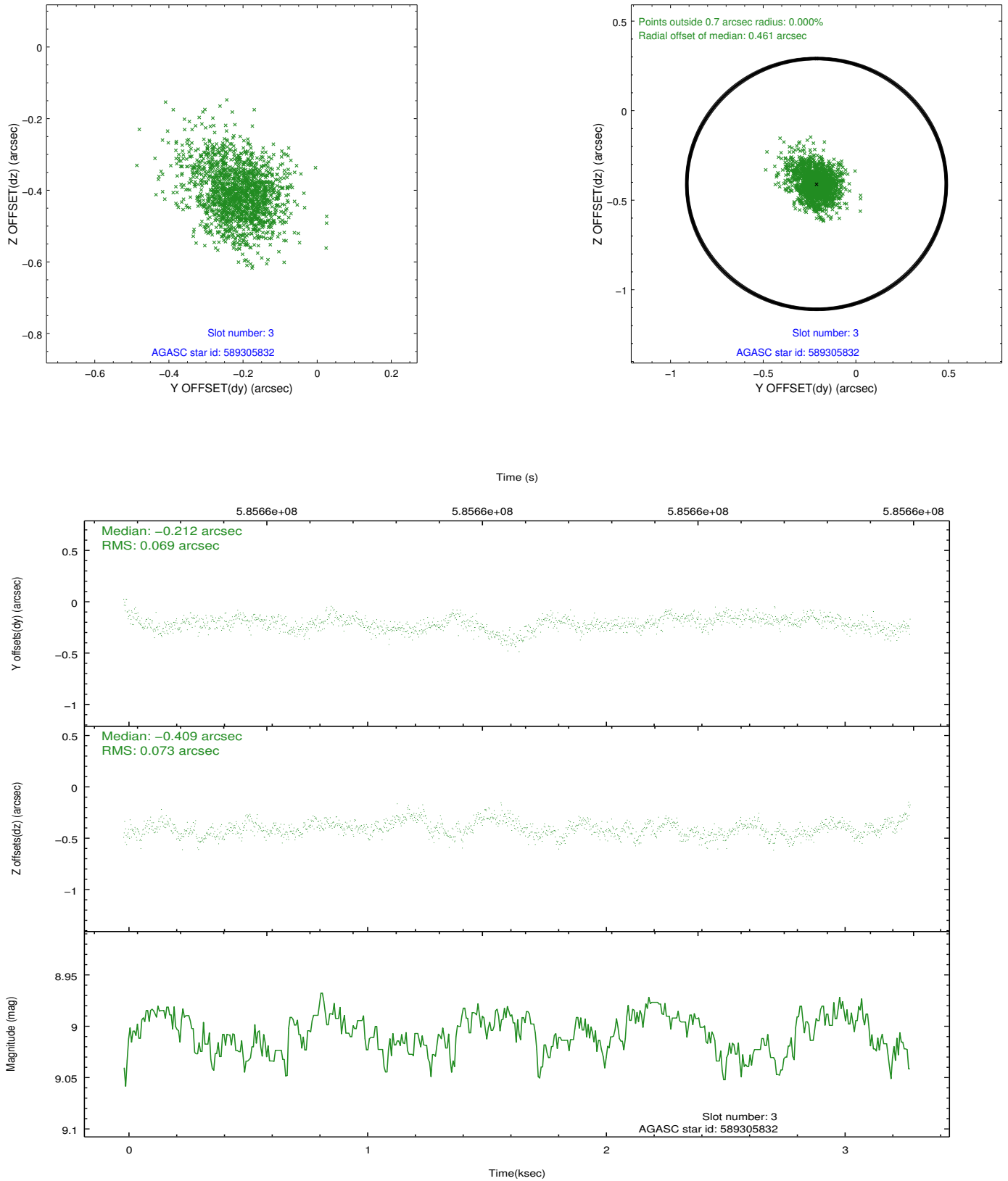


Slot Statistics

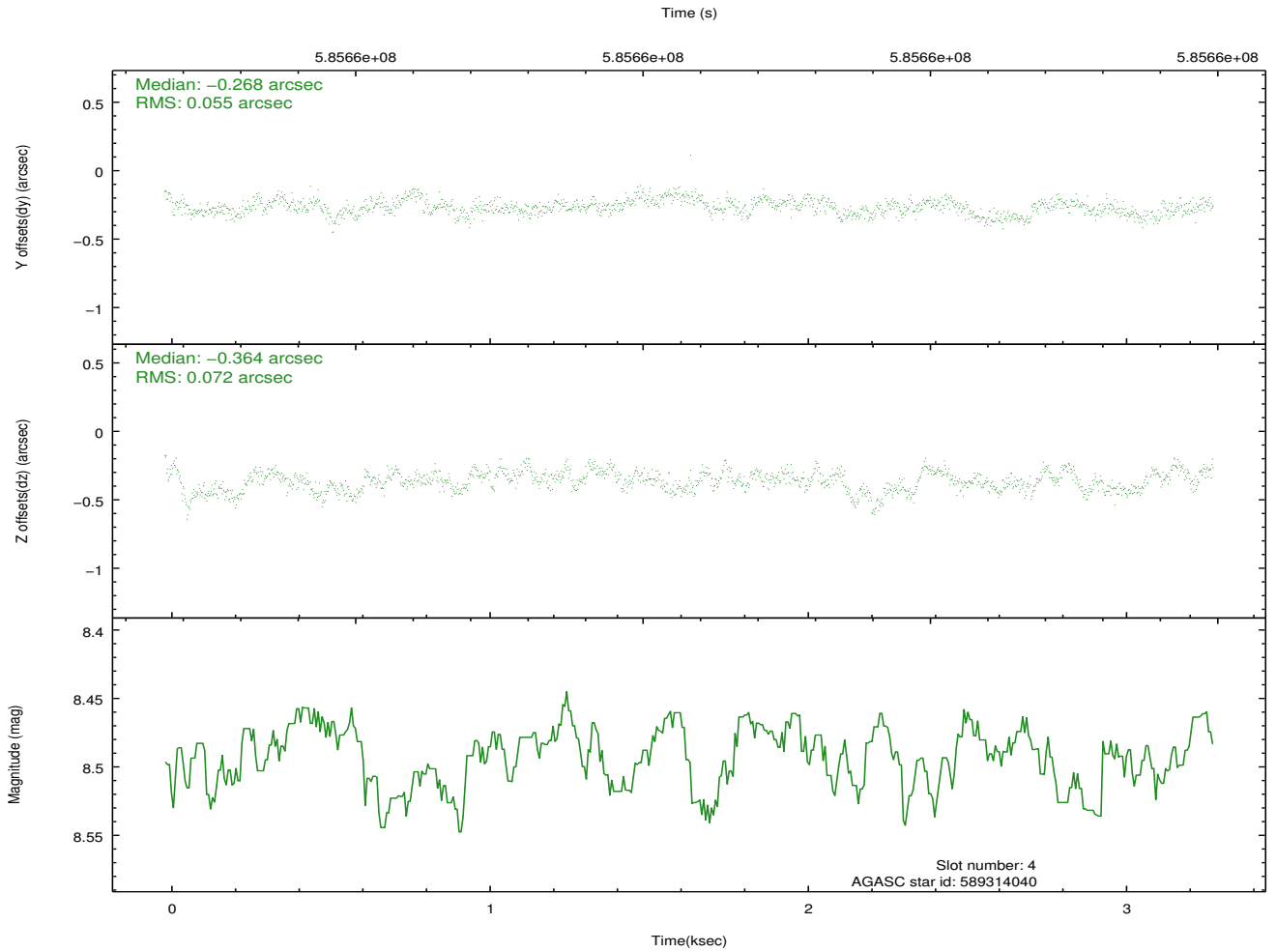
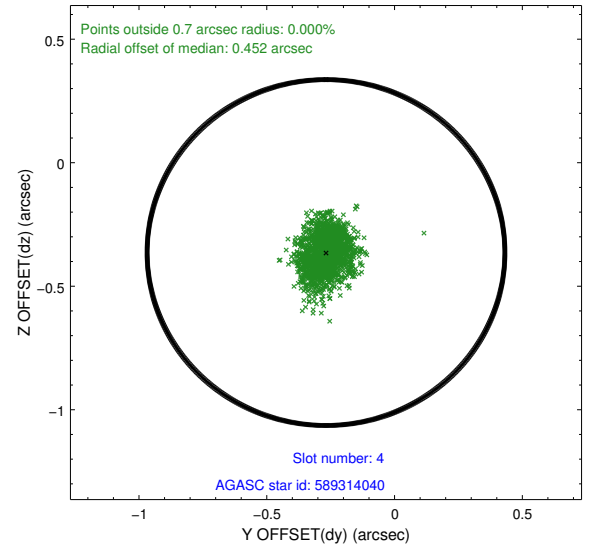
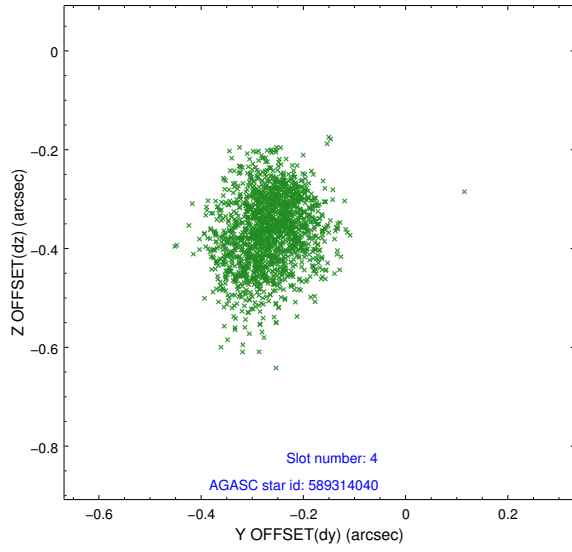
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.04	804	0.143	-0.057	0.006	0.011	0.000000	0.000000	931.20	-1733.49
1	FID		ACIS-S-2	6.95	804	-0.153	-0.022	0.006	0.010	0.000000	0.000000	-763.93	-1739.98
2	FID		ACIS-S-6	7.19	804	-0.010	0.084	0.006	0.011	0.000000	0.000000	395.85	805.99
3	GUIDE	used	589305832	9.01	1607	-0.212	-0.409	0.105	0.178	6.517380	78.214149	2084.34	337.88
4	GUIDE	used	589314040	8.49	1605	-0.268	-0.364	0.098	0.153	6.070015	77.833606	890.83	1088.68
5	GUIDE	used	589318160	8.60	1608	-0.016	0.089	0.103	0.165	8.770223	77.500861	-869.59	-539.04
6	GUIDE	used	589318704	9.14	1608	0.036	0.430	0.122	0.190	9.160209	78.295128	1801.36	-1599.56
7	GUIDE	used	589441704	9.37	1605	0.458	0.248	0.109	0.174	10.244637	77.192128	-2246.33	-1370.51

2.4 Star Slots

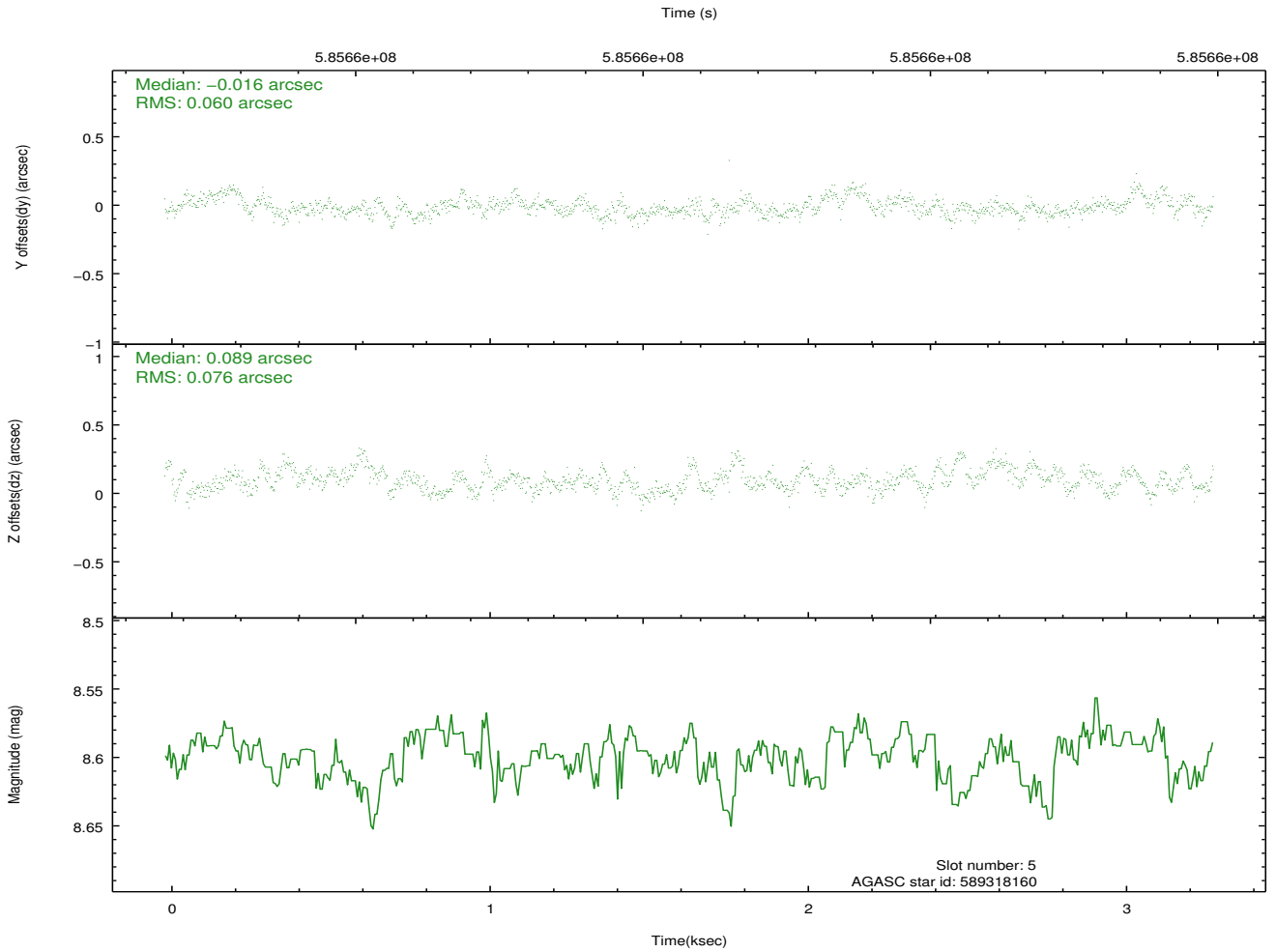
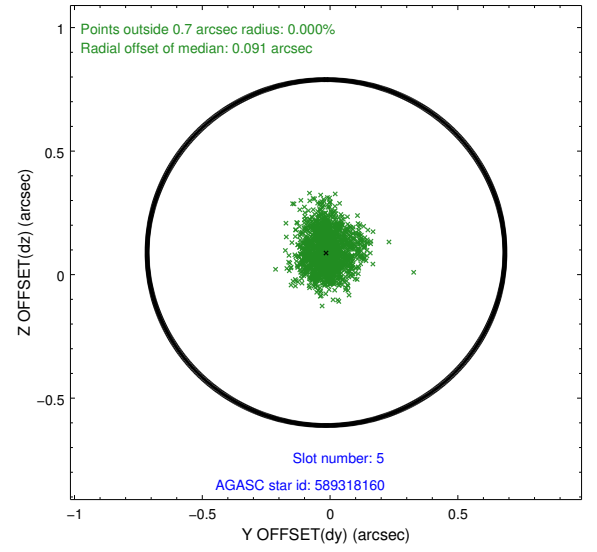
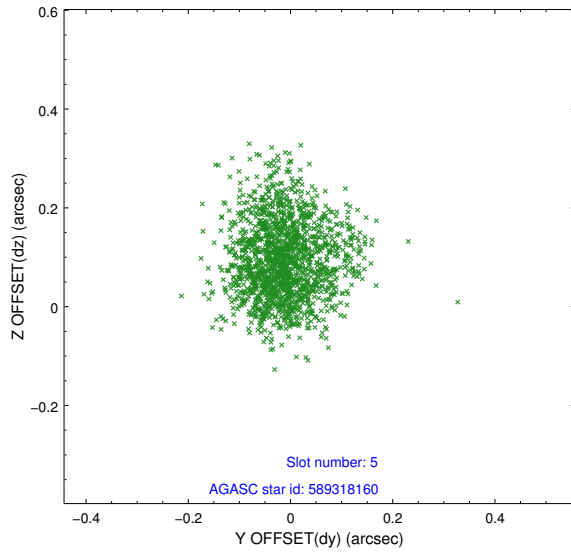
2.4.1 Slot 3



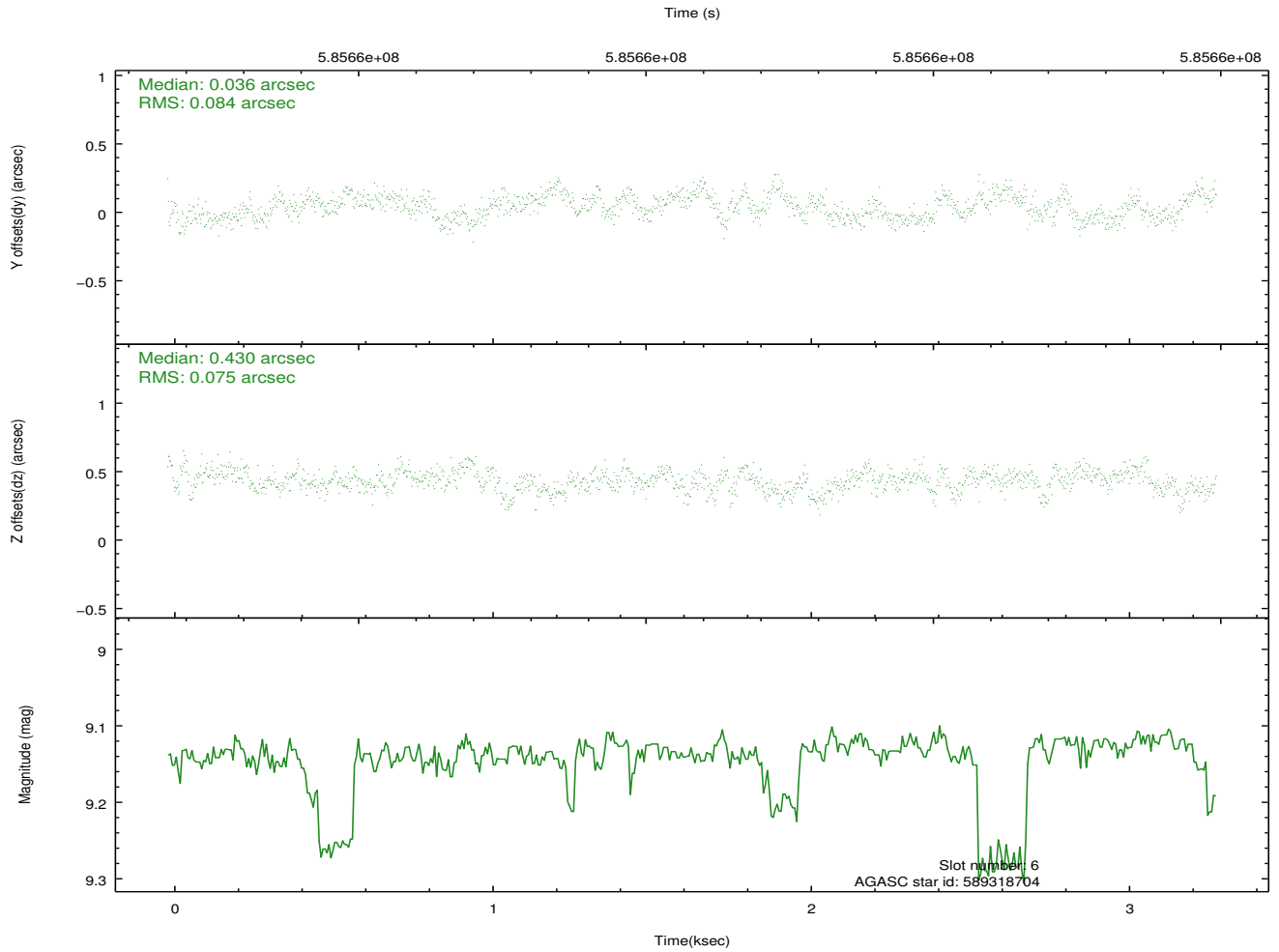
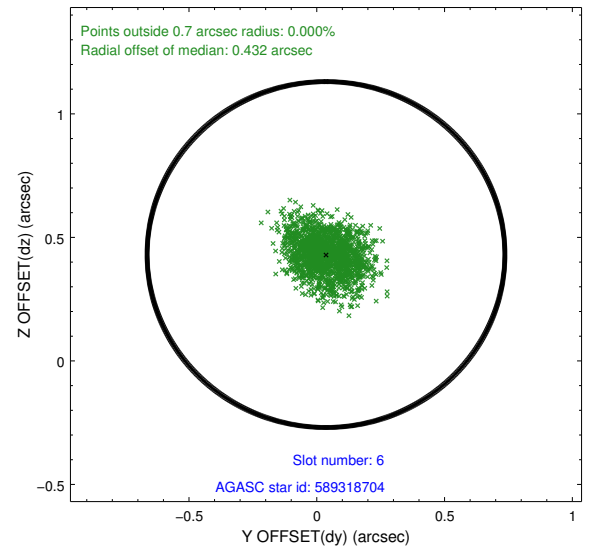
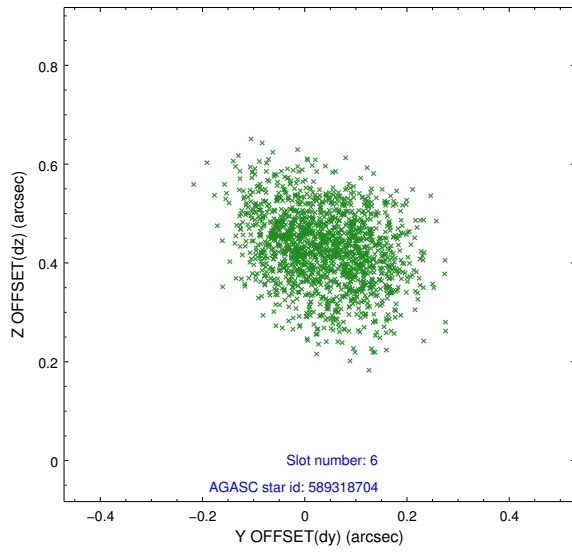
2.4.2 Slot 4



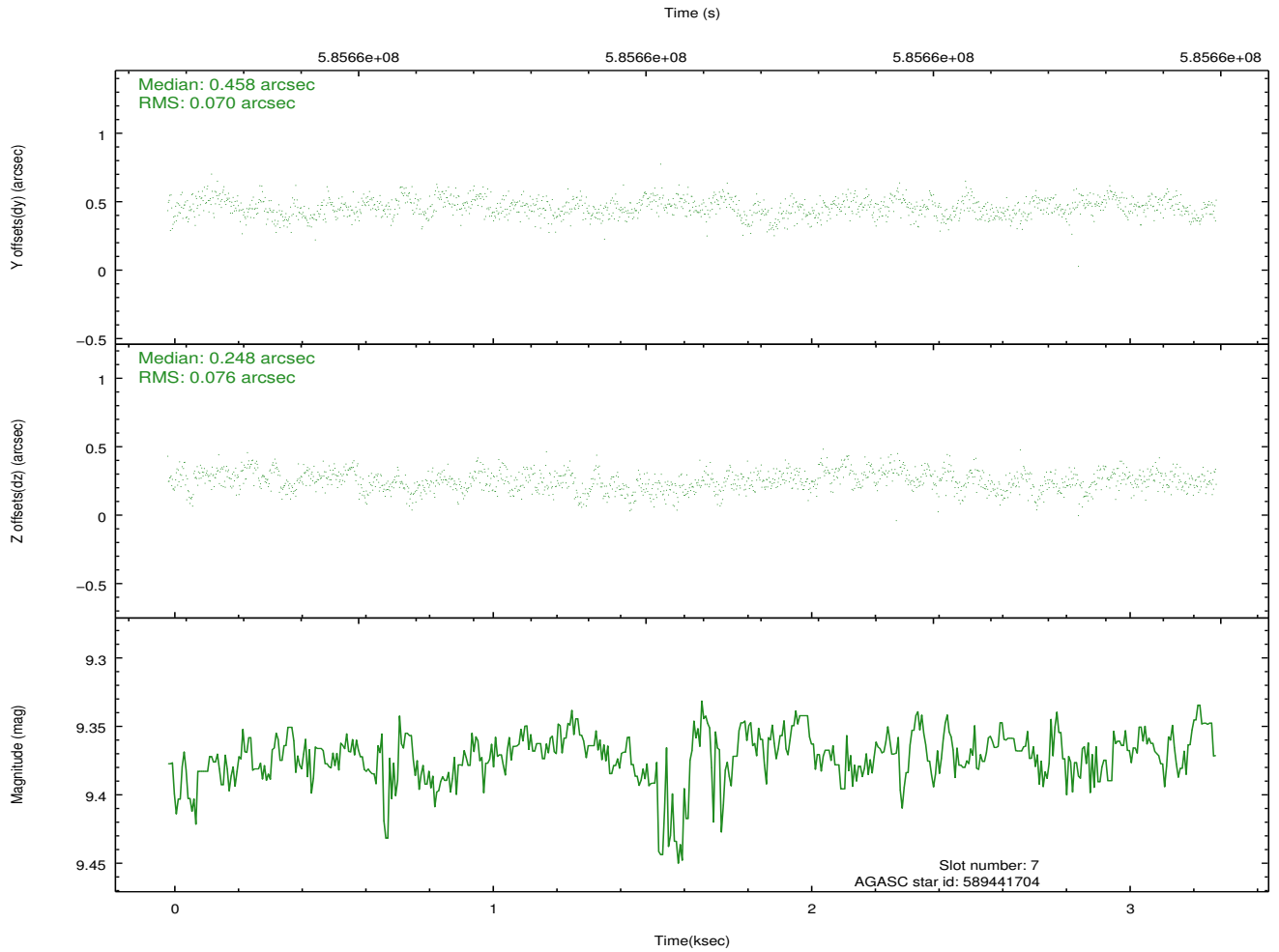
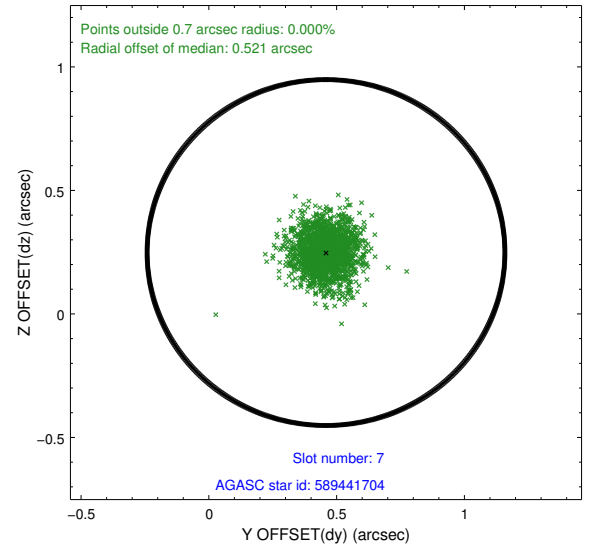
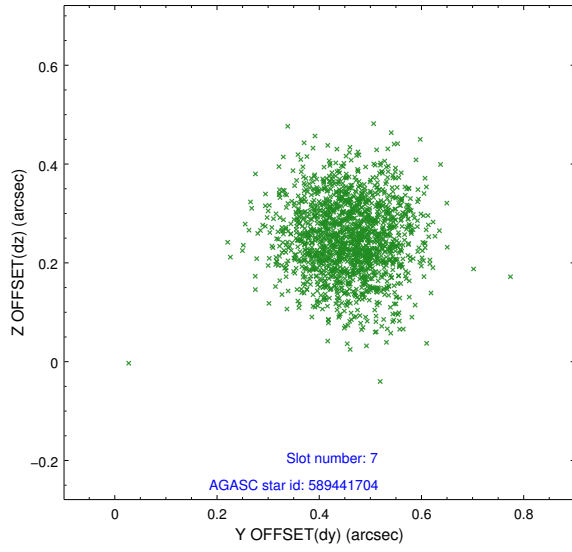
2.4.3 Slot 5



2.4.4 Slot 6

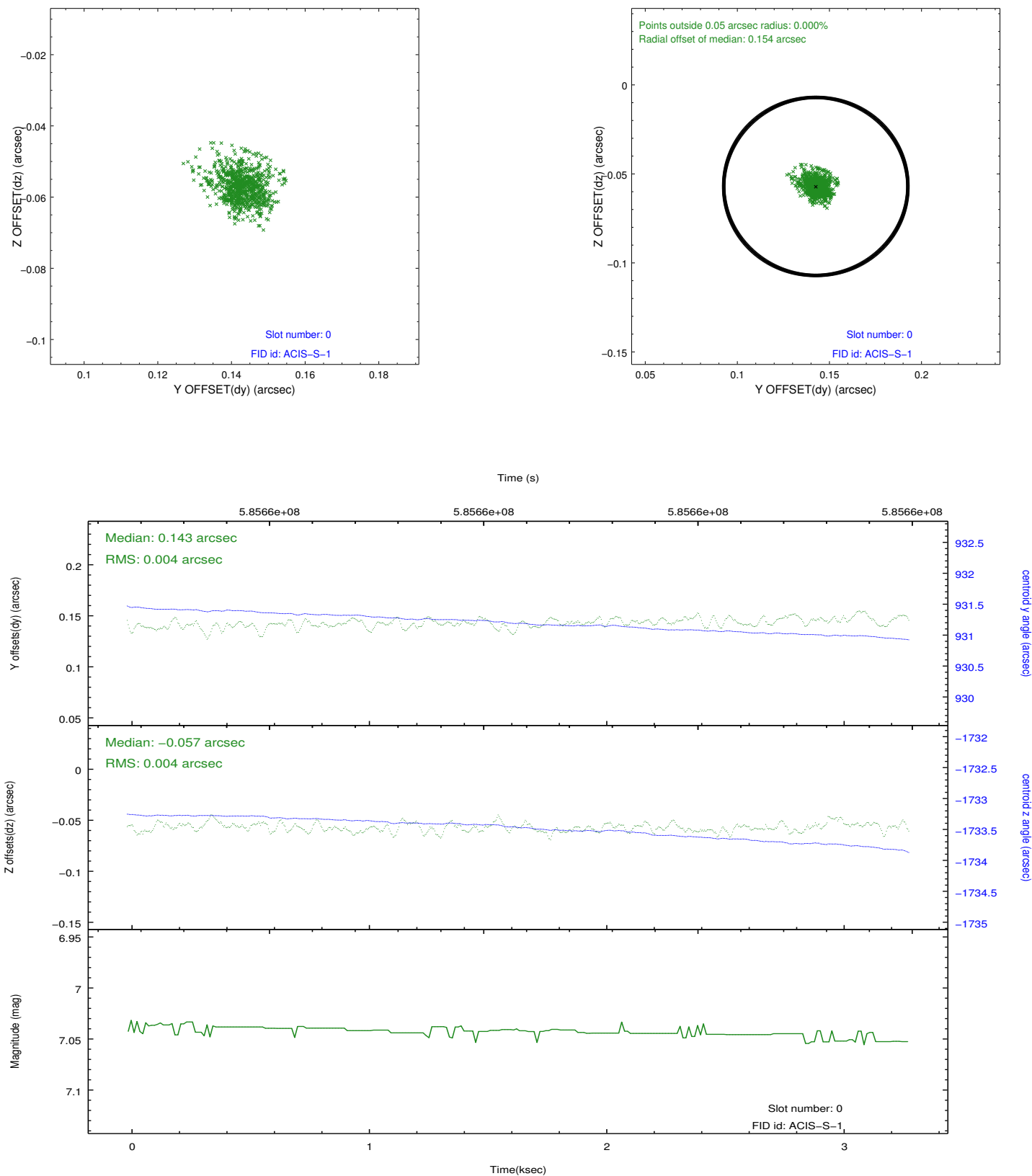


2.4.5 Slot 7

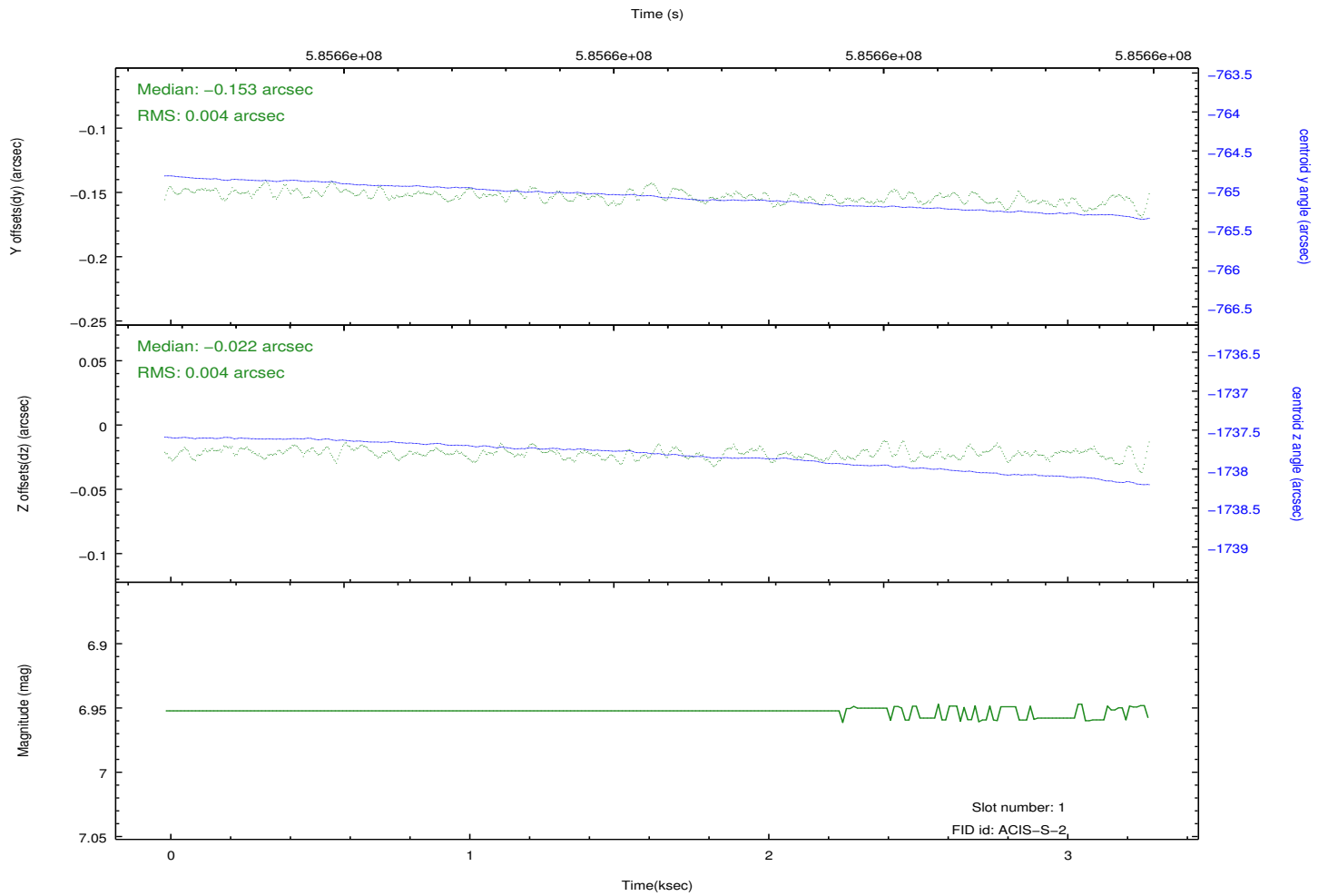
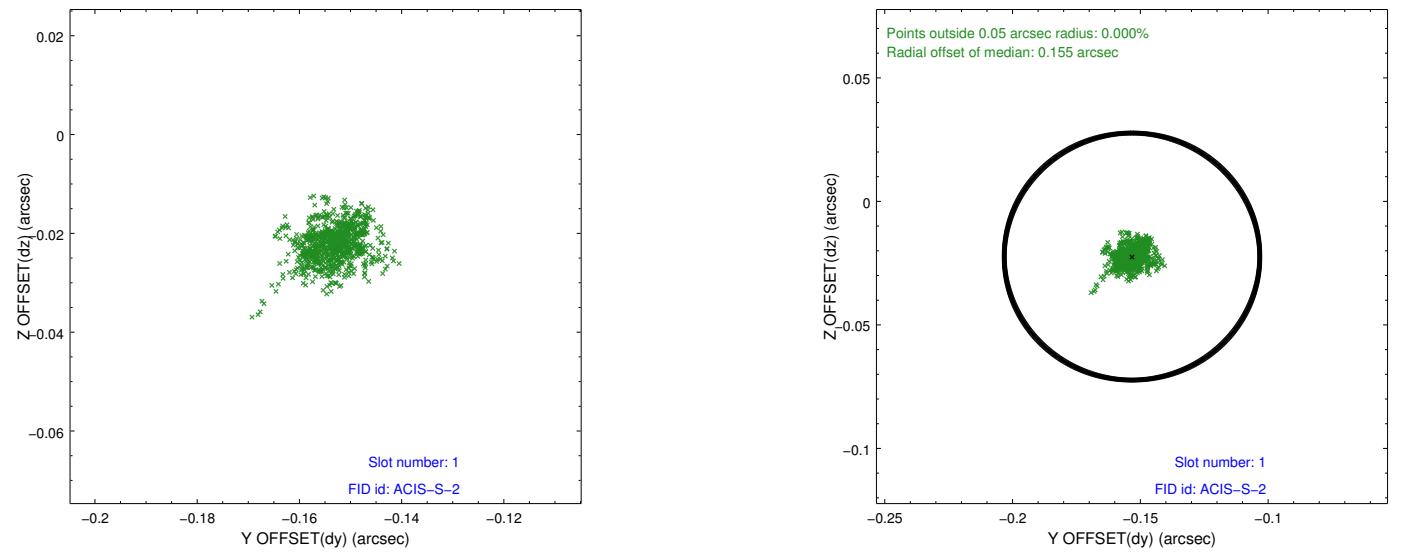


2.5 FID Slots

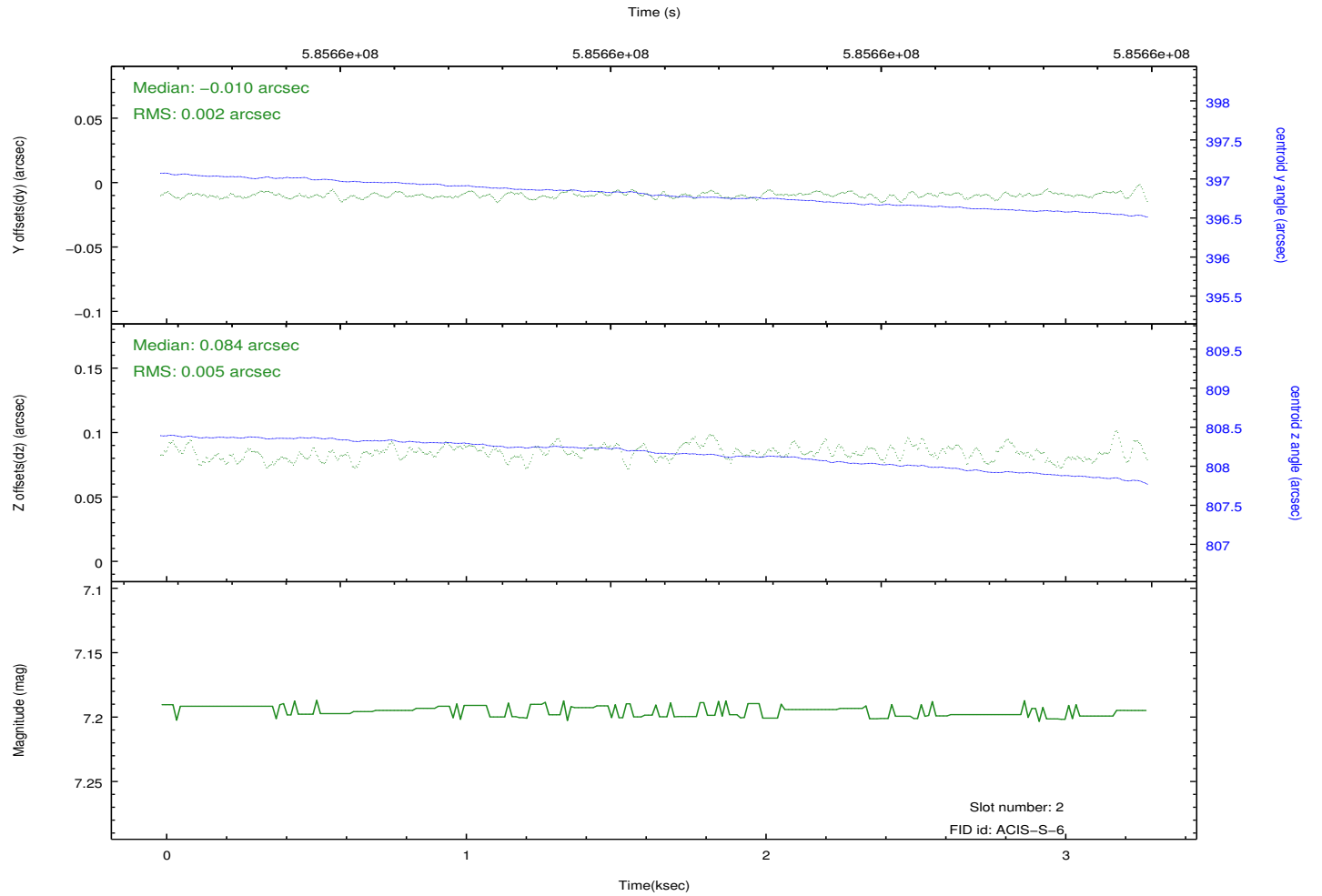
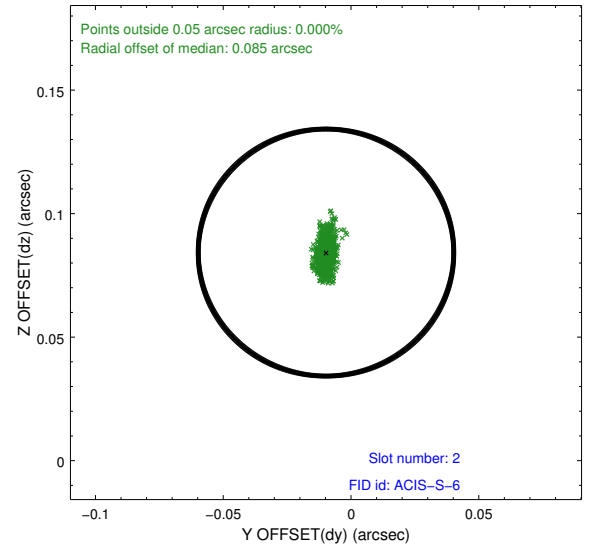
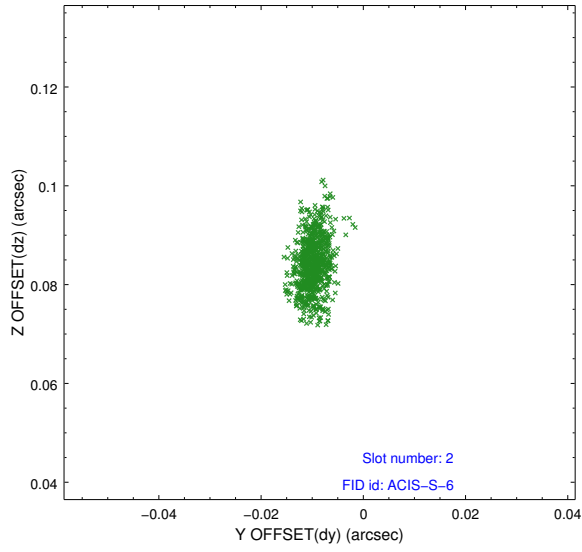
2.5.1 Slot 0



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)	2016.07.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.9088000433445

A.2 Comments

Joint proposal with Swift.

Observation coordinated with MEarth.