

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3036 - L2 Version 3
Chandra X-Ray Center

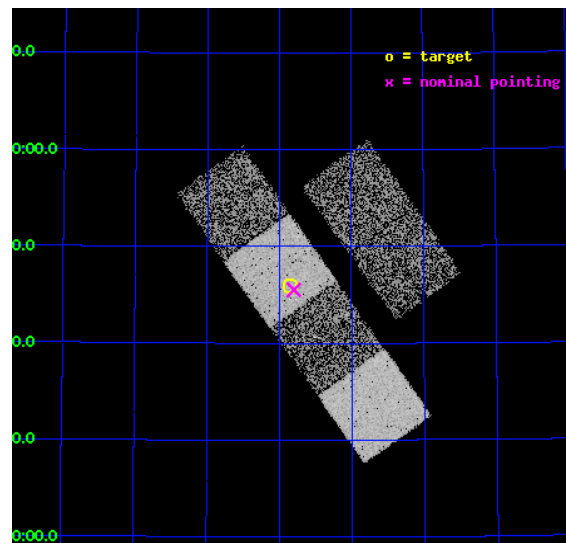
L2 Processing Date : Oct 5 2012

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1 Front

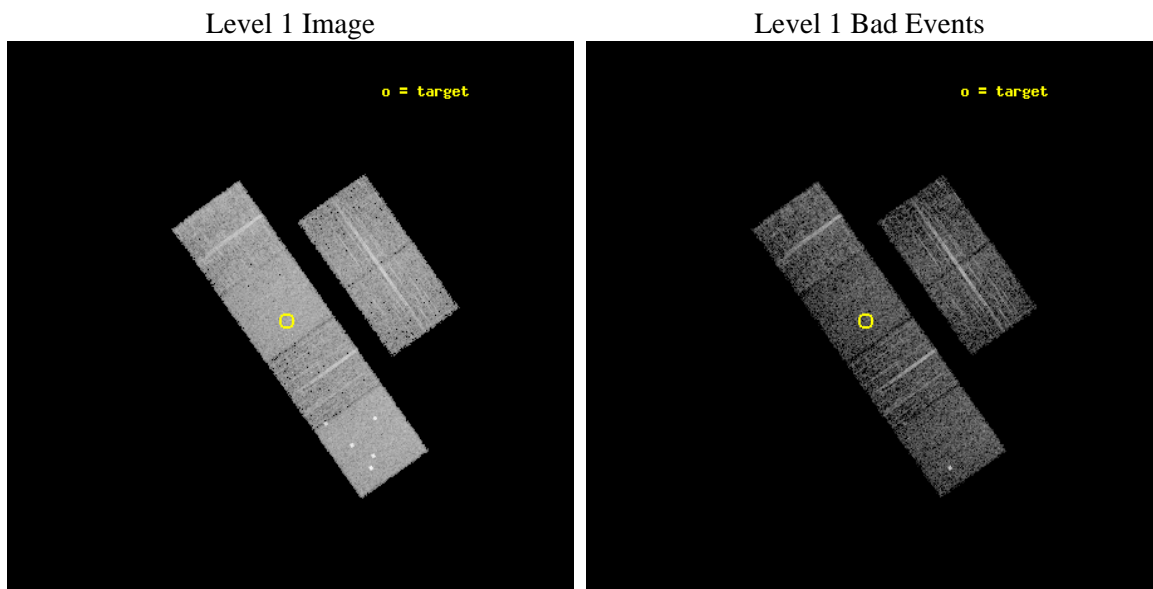
seq_num	700475	Sequence number
obs_id	3036	Observation id
title	A CHANDRA AND XMM-NEWTON STUDY OF THE MOST DISTANT QUASARS: X-RAYING THE FIRST MASSIVE BLACK HOLES	Proposal title
observer	Prof. William Brandt	Principal investigator
object	SDSS095151+594556	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	147.963333	Observer's specified target RA [deg]
dec_targ	59.765611	Observer's specified target Dec [deg]
ra_nom	147.94976492333	Nominal RA [deg]
dec_nom	59.758822407662	Nominal Dec [deg]
roll_nom	234.61113278	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5190.3999806643	Sum of GTIs [s]
livetime	5124.6760108254	Livetime [s]
ontime2	5190.3999806643	Sum of GTIs [s]
ontime3	5190.3999806643	Sum of GTIs [s]
ontime5	5190.3999806643	Sum of GTIs [s]
ontime6	5190.3999806643	Sum of GTIs [s]
ontime7	5190.3999806643	Sum of GTIs [s]
ontime8	5190.3999806643	Sum of GTIs [s]
l2events	51022	Number of level 2 events



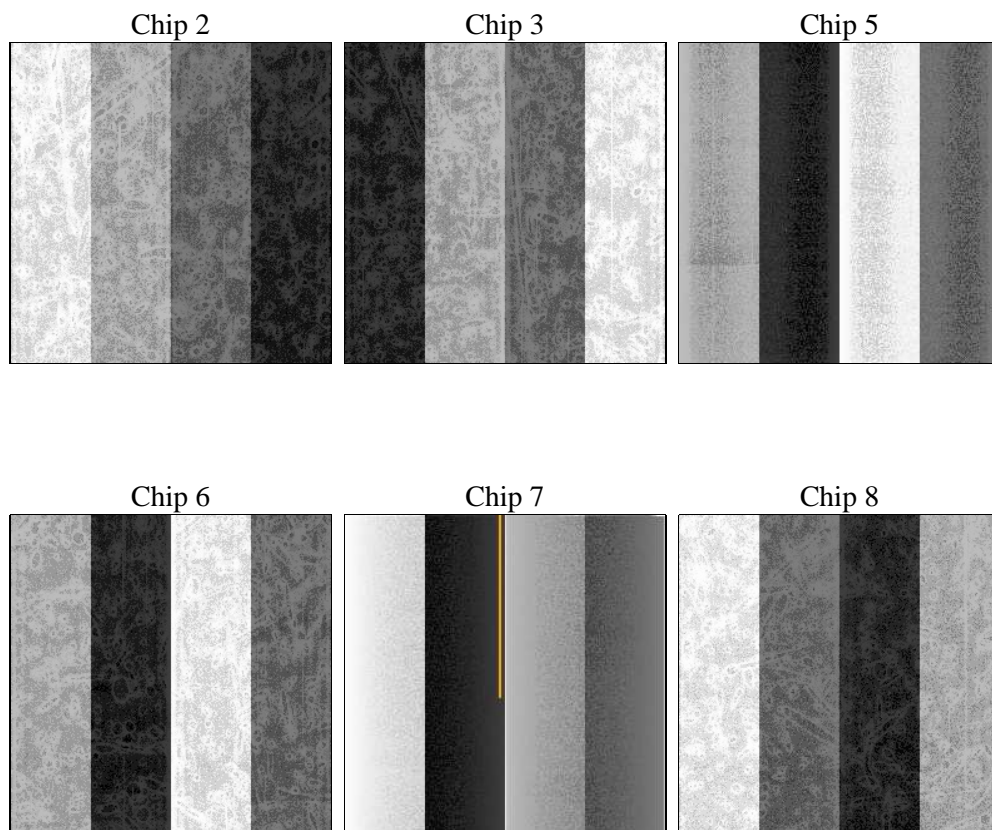
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5190.3999806643	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	5190.3999806643	Sum of GTIs [s]
date	2012-10-05T14:23:29	Date and time of file creation	ontime3	5190.3999806643	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5190.3999806643	Sum of GTIs [s]
			ontime6	5190.3999806643	Sum of GTIs [s]
			ontime7	5190.3999806643	Sum of GTIs [s]
			ontime8	5190.3999806643	Sum of GTIs [s]
			l1events	243089	Number of level 1 events

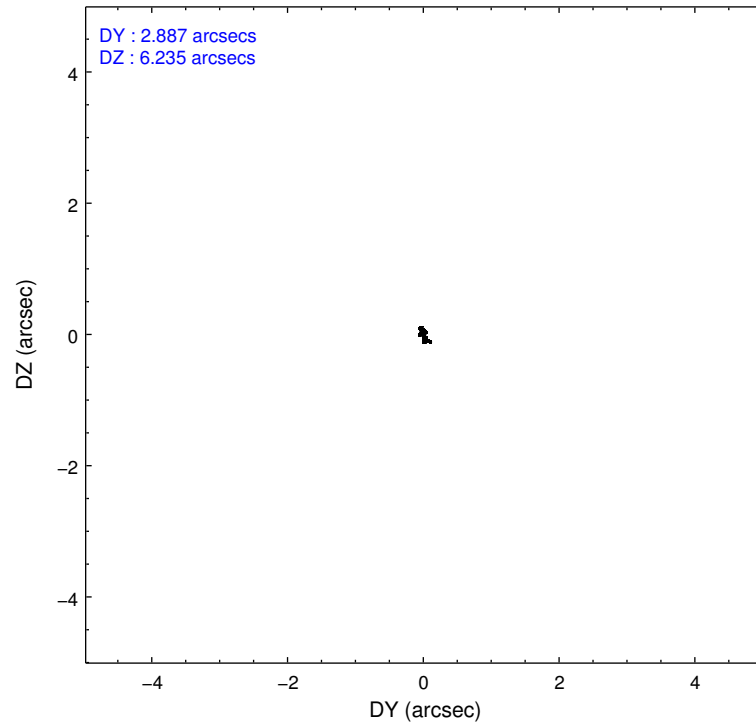
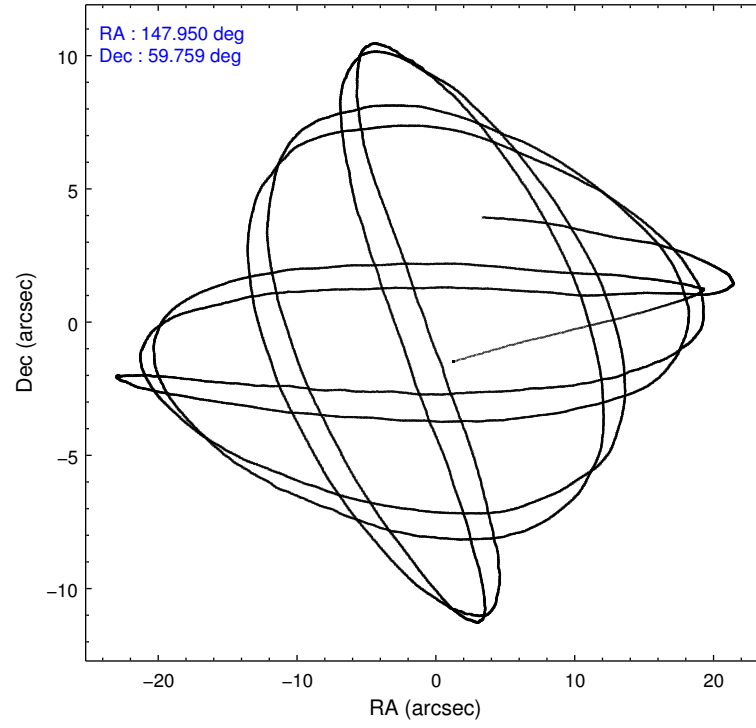
2.1.4 Events

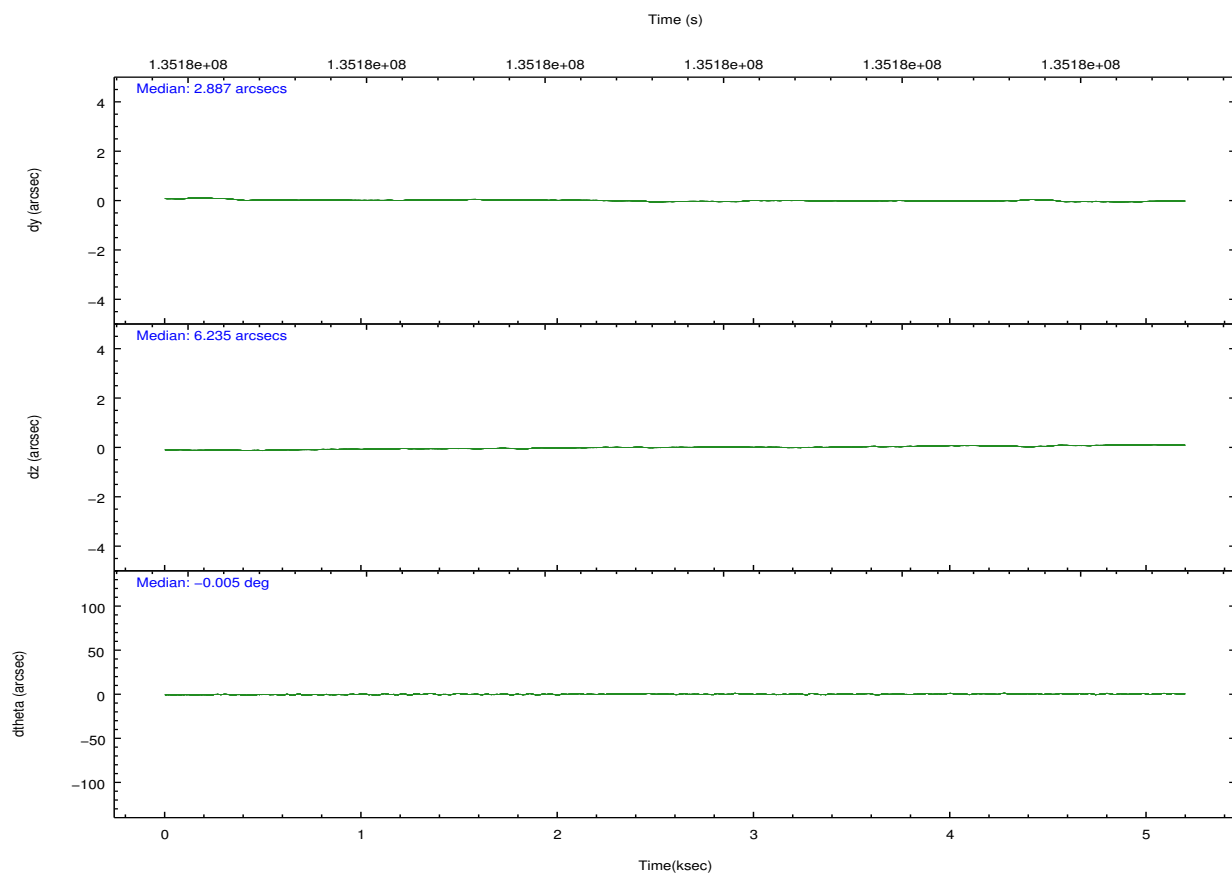
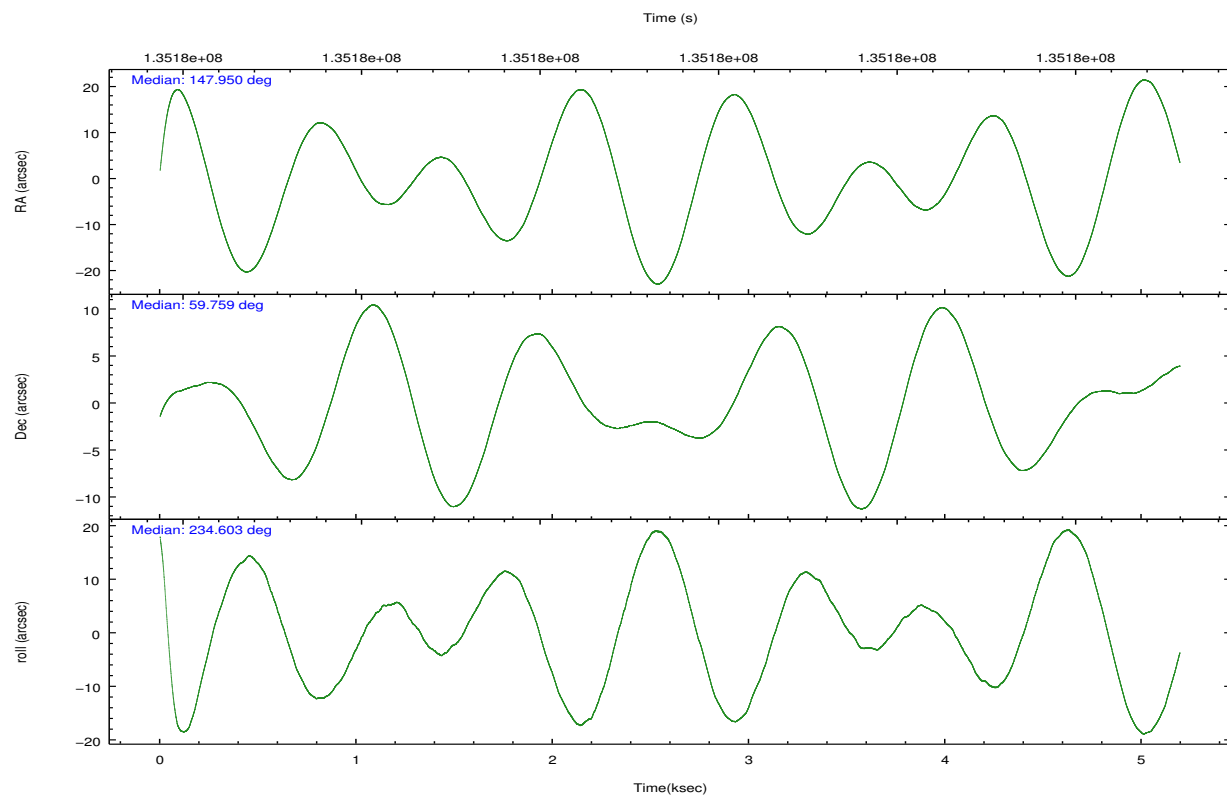
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	34486	33511	52969	34586	44841	42696	grade 0 events	1657	1612	4773	1592	1773	2630
rejected events	30755	29859	28485	30723	27041	34573		4%	4%	9%	4%	3%	6%
rejected %	89%	89%	53%	88%	60%	80%	grade 1 events	26	20	182	15	41	27
								0%	0%	0%	0%	0%	0%
							grade 2 events	847	760	7079	813	3665	1845
								2%	2%	13%	2%	8%	4%
							grade 3 events	348	368	915	381	1715	894
								1%	1%	1%	1%	3%	2%
							grade 4 events	339	378	890	399	1676	790
								0%	1%	1%	1%	3%	1%
							grade 5 events	1173	1459	3723	1412	4165	1897
								3%	4%	7%	4%	9%	4%
							grade 6 events	704	695	11834	829	9688	2351
								2%	2%	22%	2%	21%	5%
							grade 7 events	29392	28219	23573	29145	22118	32262
								85%	84%	44%	84%	49%	75%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	147.953995	147.9497649233272	Subarray requested	NONE	NONE
[deg] Pointing Dec	59.785971	59.75882240766246	Alternating exposures requested	N	N
[deg] Pointing Roll	234.450796	234.6111327800033	[s] Primary exposure time	0.000000	3.2
[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)	135180326.184000	135179143.02337			
Observation start date	2002-04-14T14:04:22	2002-04-14T13:45:43			
[s] Observation end time (MET)	135185326.184000	135185460.09863			
Observation end date	2002-04-14T15:27:42	2002-04-14T15:31:00			
Read mode	TIMED	TIMED			

2.3 Aspect



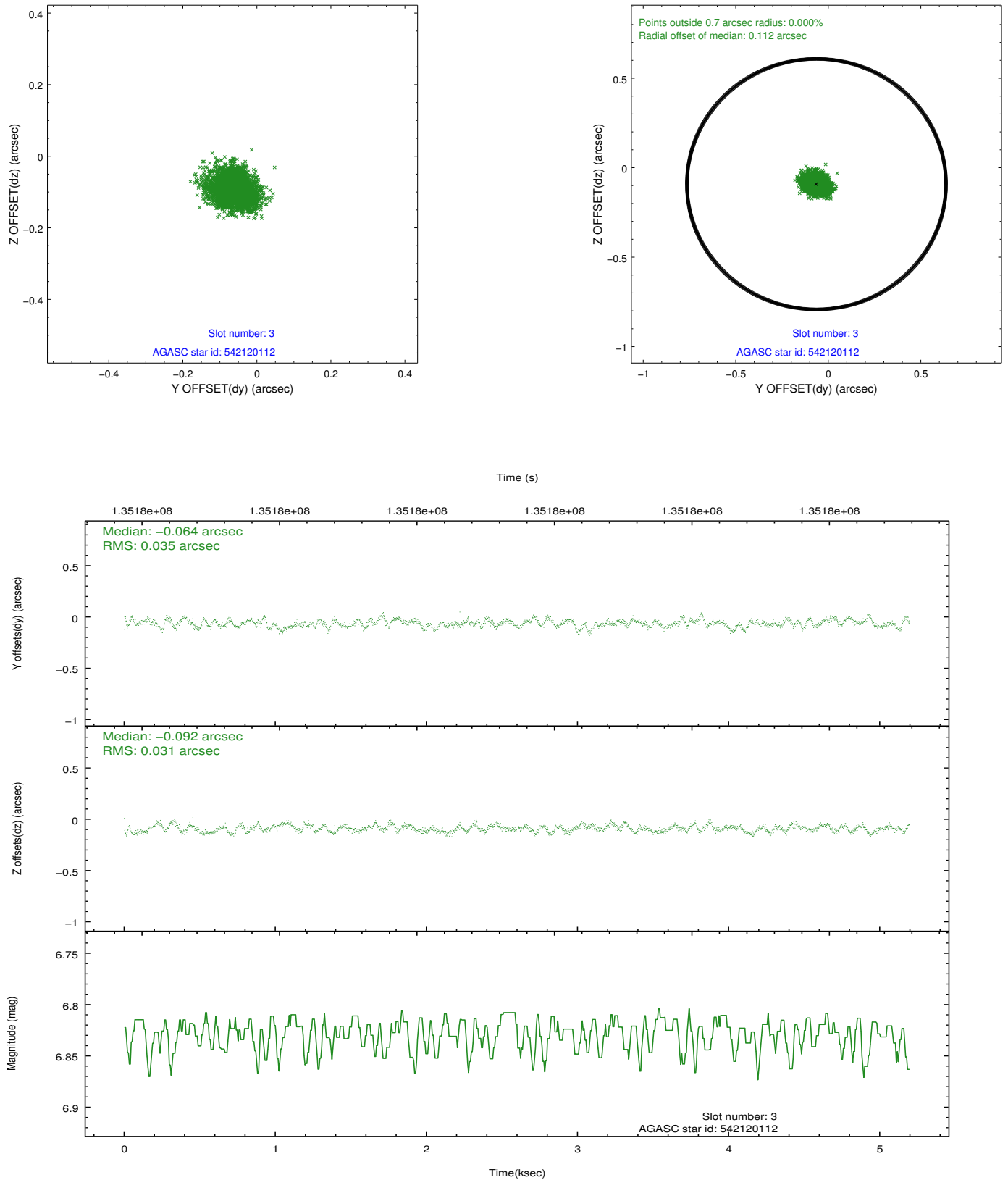


Slot Statistics

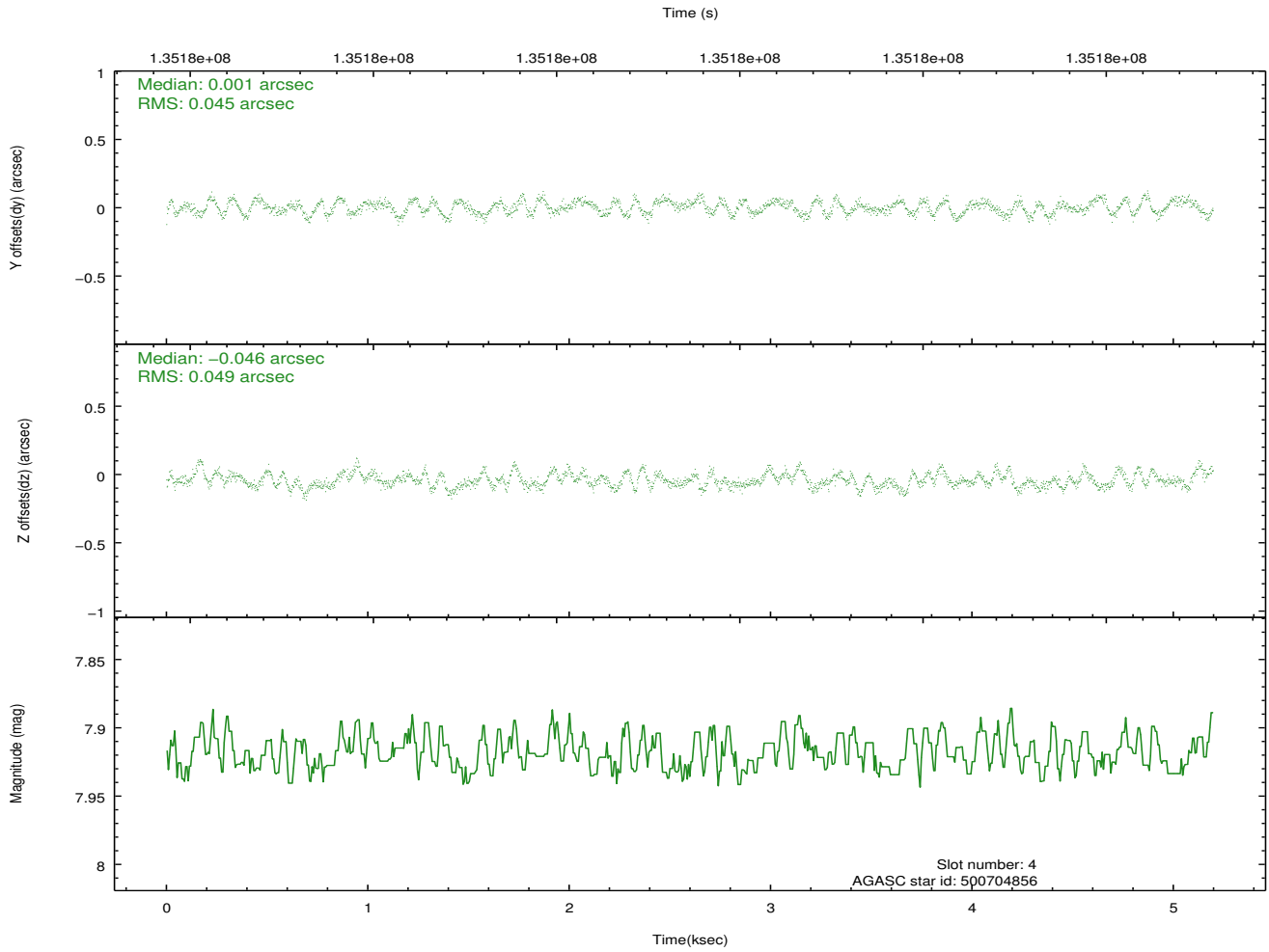
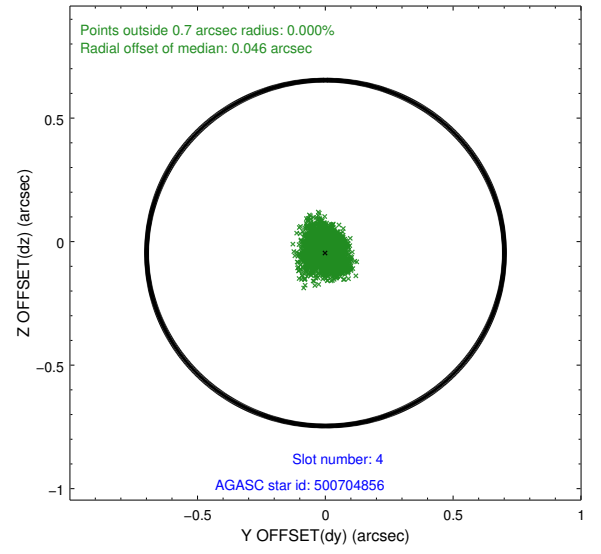
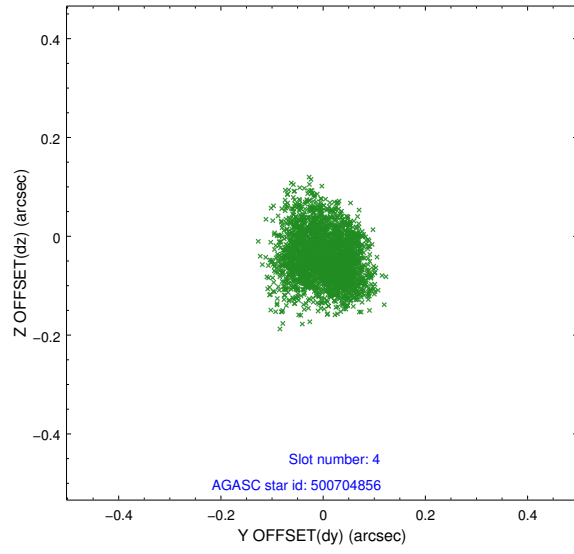
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	1268	-0.035	0.011	0.006	0.010	0.000000	0.000000	-755.53	-1727.33
1	FID	ACIS-S-4	7.20	1268	-0.015	0.014	0.005	0.009	0.000000	0.000000	2157.21	180.02
2	FID	ACIS-S-5	7.24	1268	0.019	-0.016	0.007	0.011	0.000000	0.000000	-1806.85	174.90
3	GUIDE	542120112	6.83	2535	-0.064	-0.092	0.050	0.078	147.208497	60.096902	-138.03	-1744.37
4	GUIDE	500704856	7.92	2533	0.001	-0.046	0.071	0.111	149.095120	59.439271	-213.28	2413.39
5	GUIDE	542123488	9.02	2536	-0.069	-0.047	0.087	0.144	147.472275	60.346240	-1144.04	-1872.31
6	GUIDE	500702768	9.35	2533	0.114	0.072	0.086	0.137	146.907534	59.524990	1863.34	-1017.85
7	GUIDE	500699664	9.51	2535	0.014	0.111	0.078	0.128	148.622209	59.767149	-652.86	1020.50

2.4 Star Slots

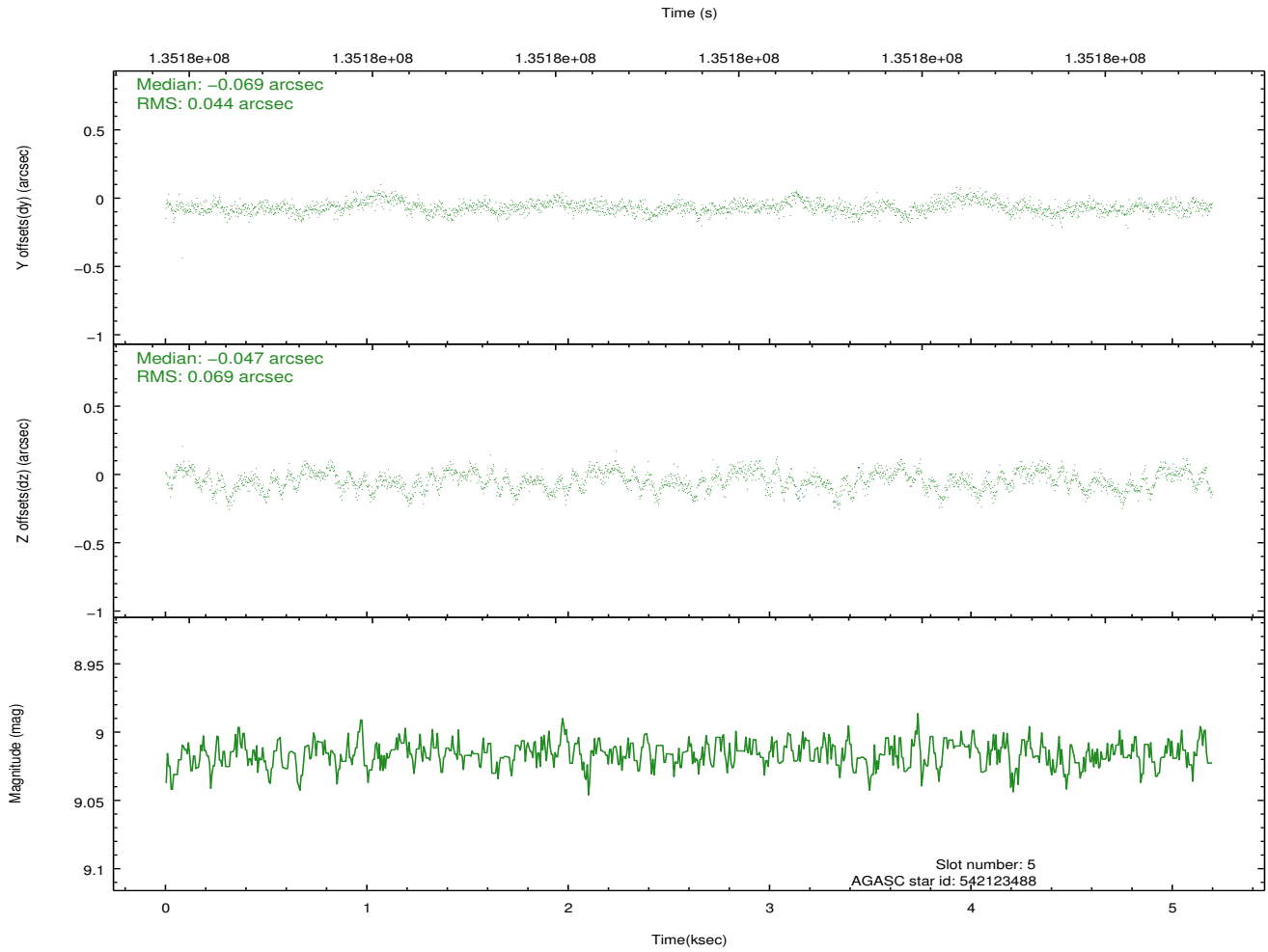
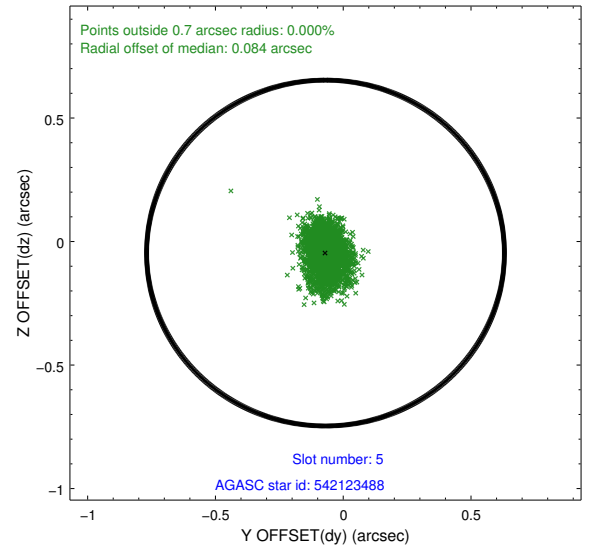
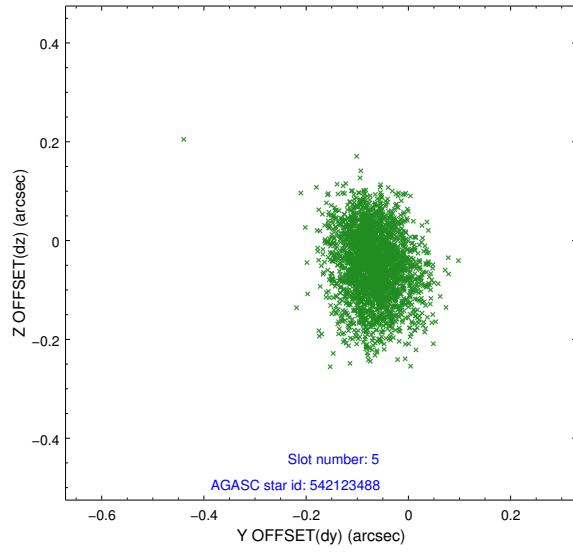
2.4.1 Slot 3



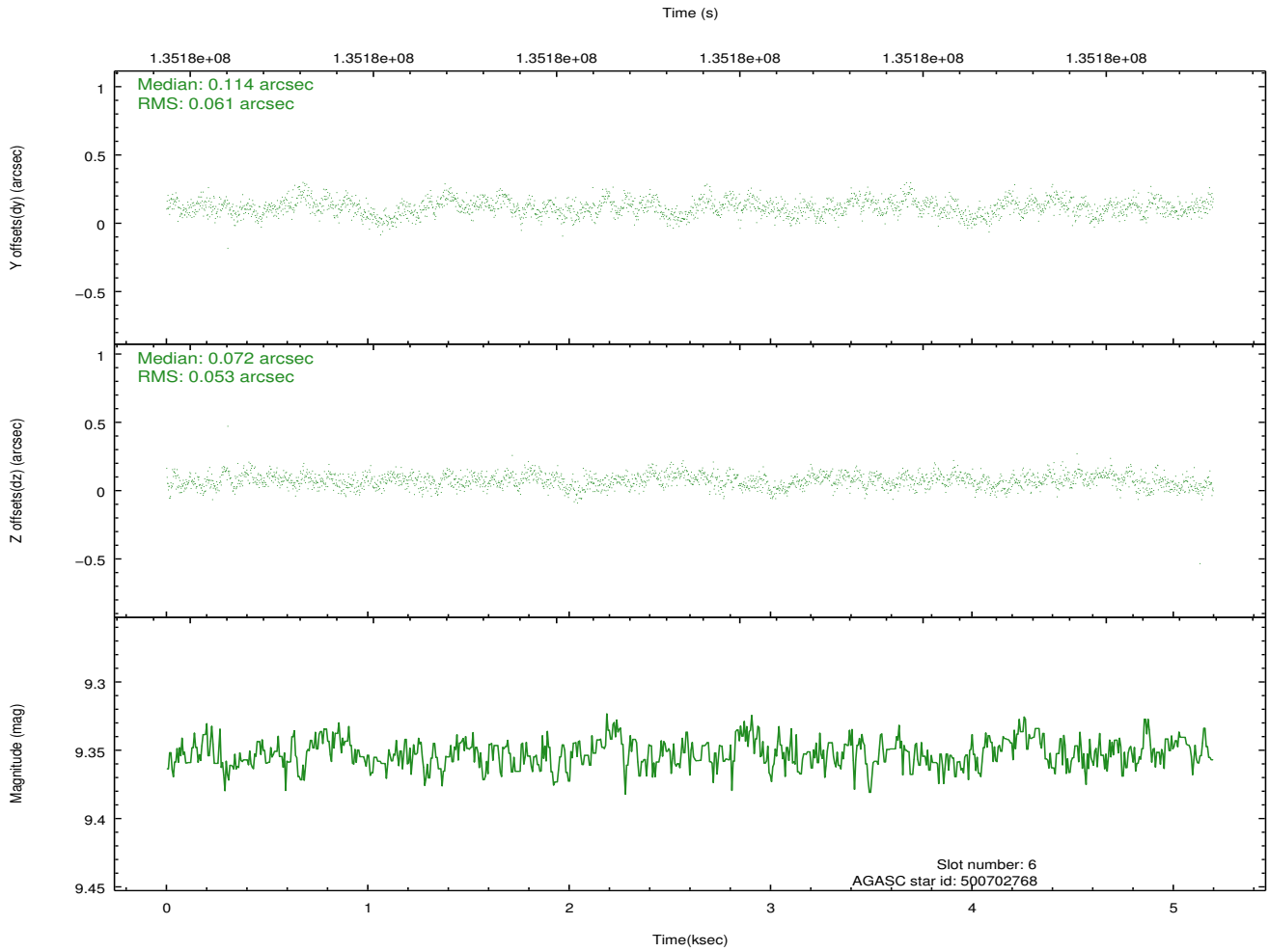
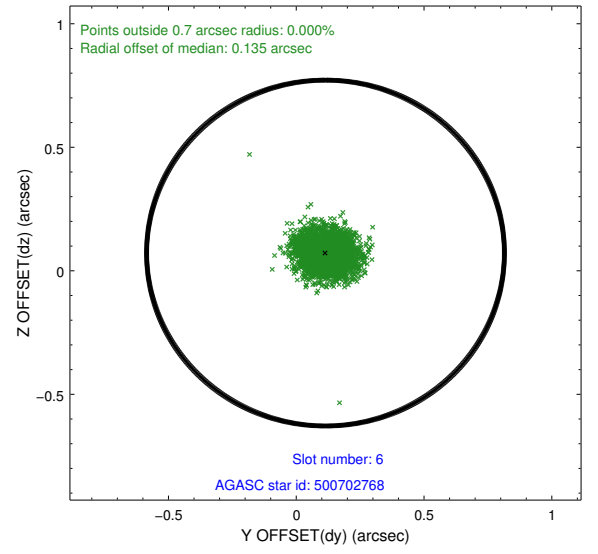
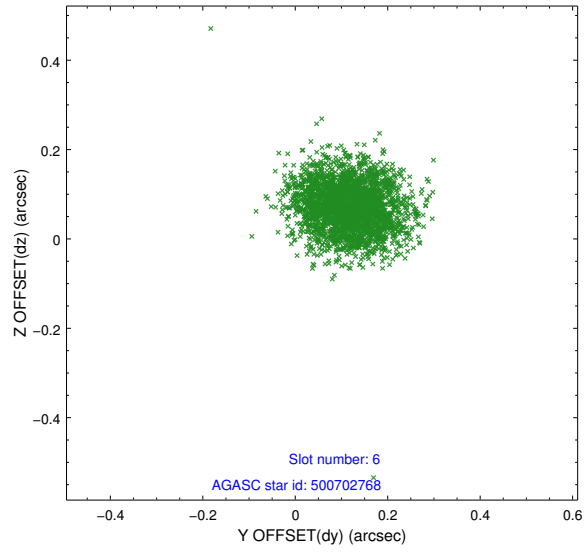
2.4.2 Slot 4



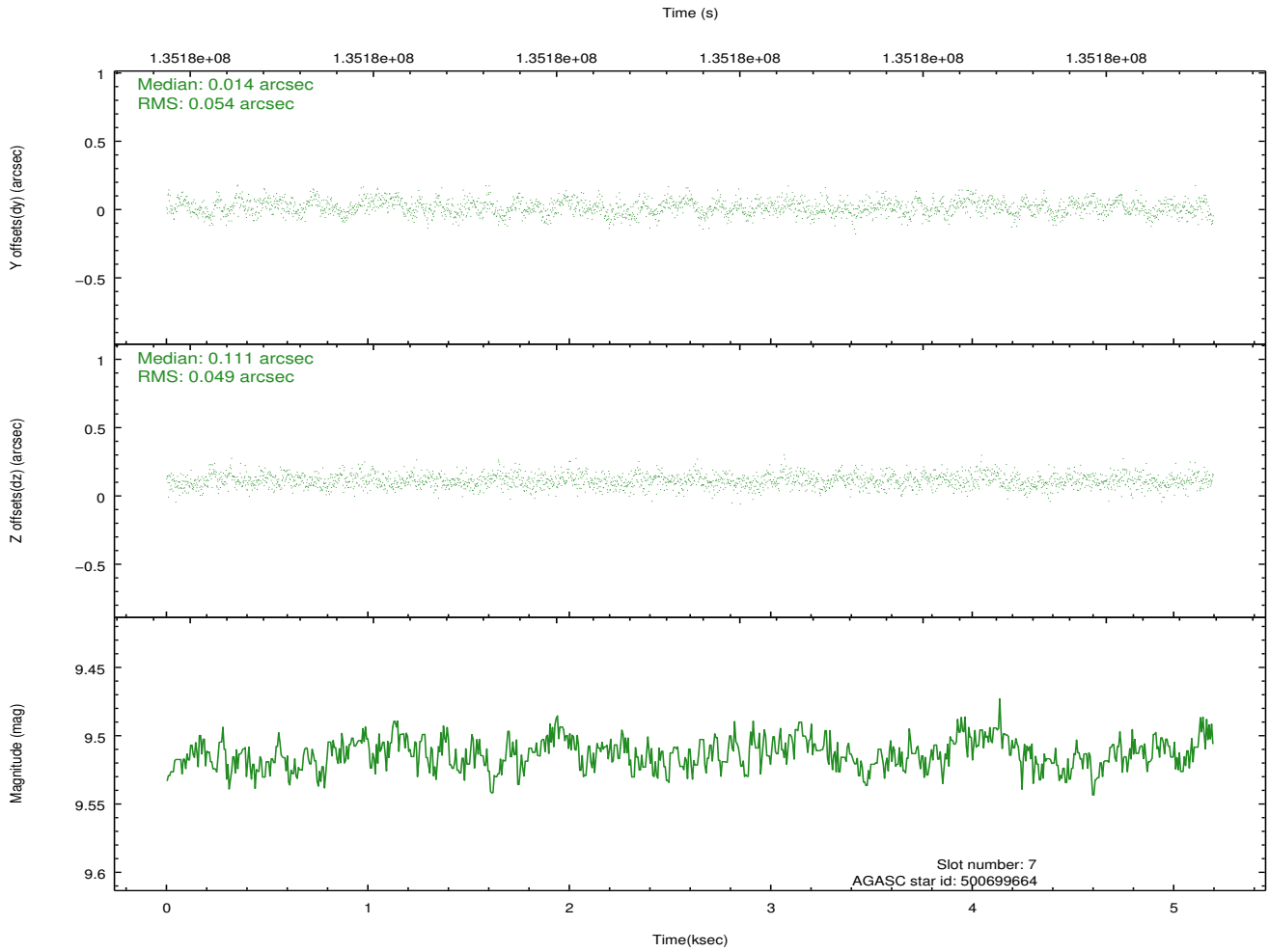
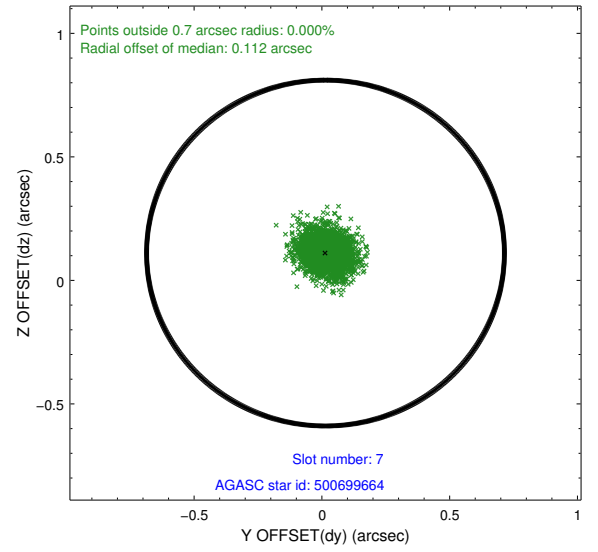
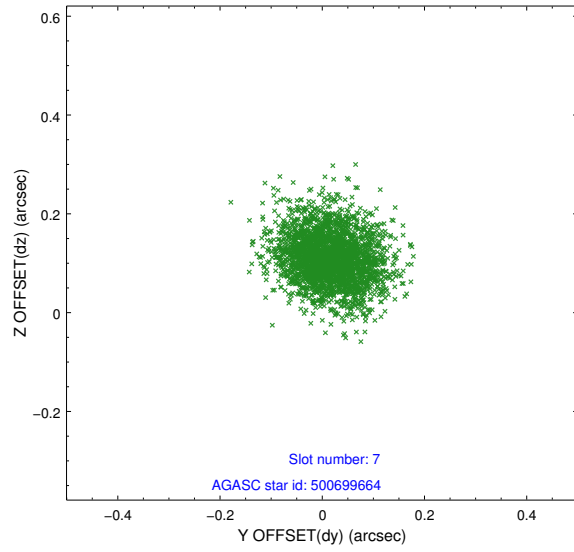
2.4.3 Slot 5



2.4.4 Slot 6

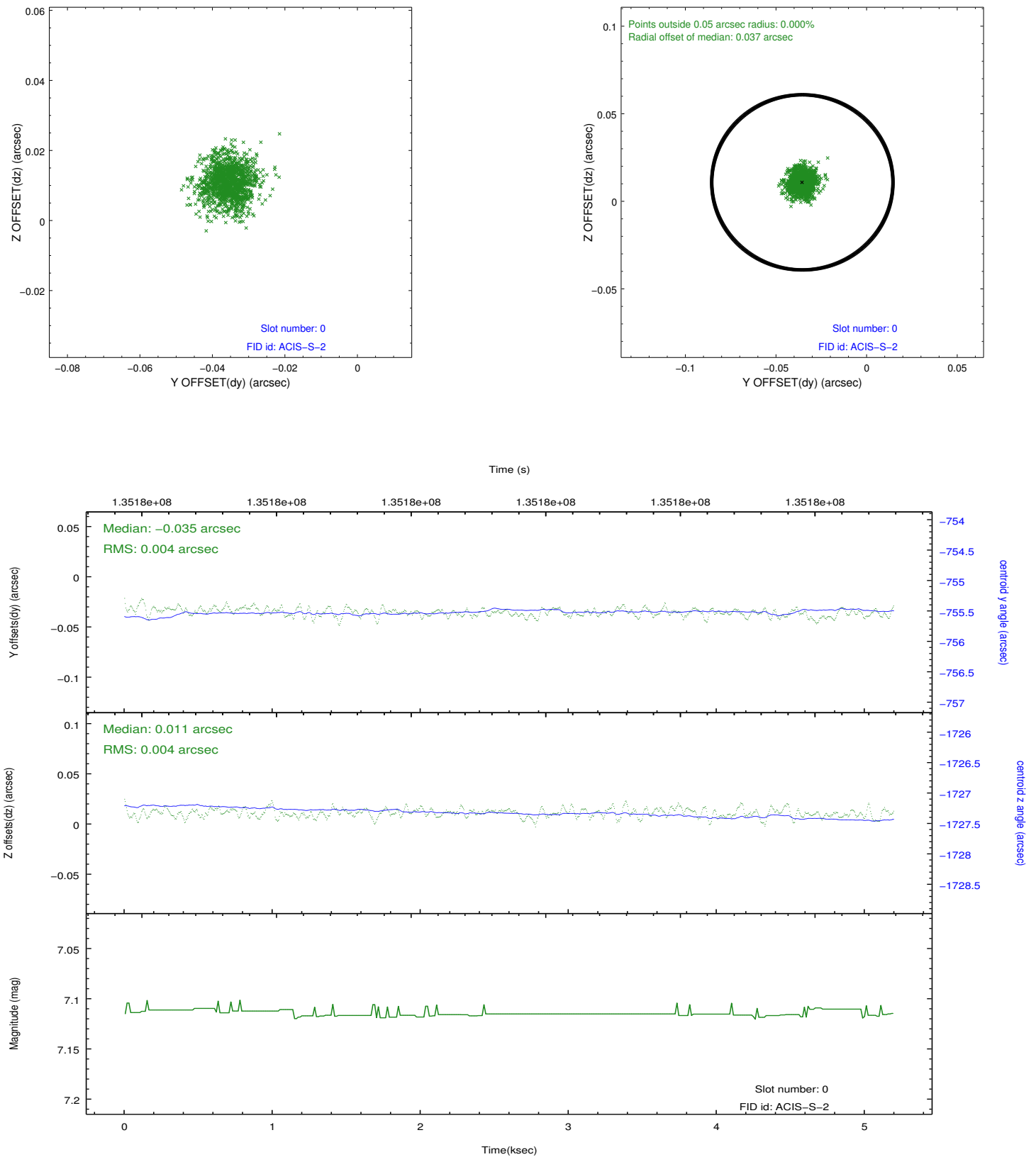


2.4.5 Slot 7

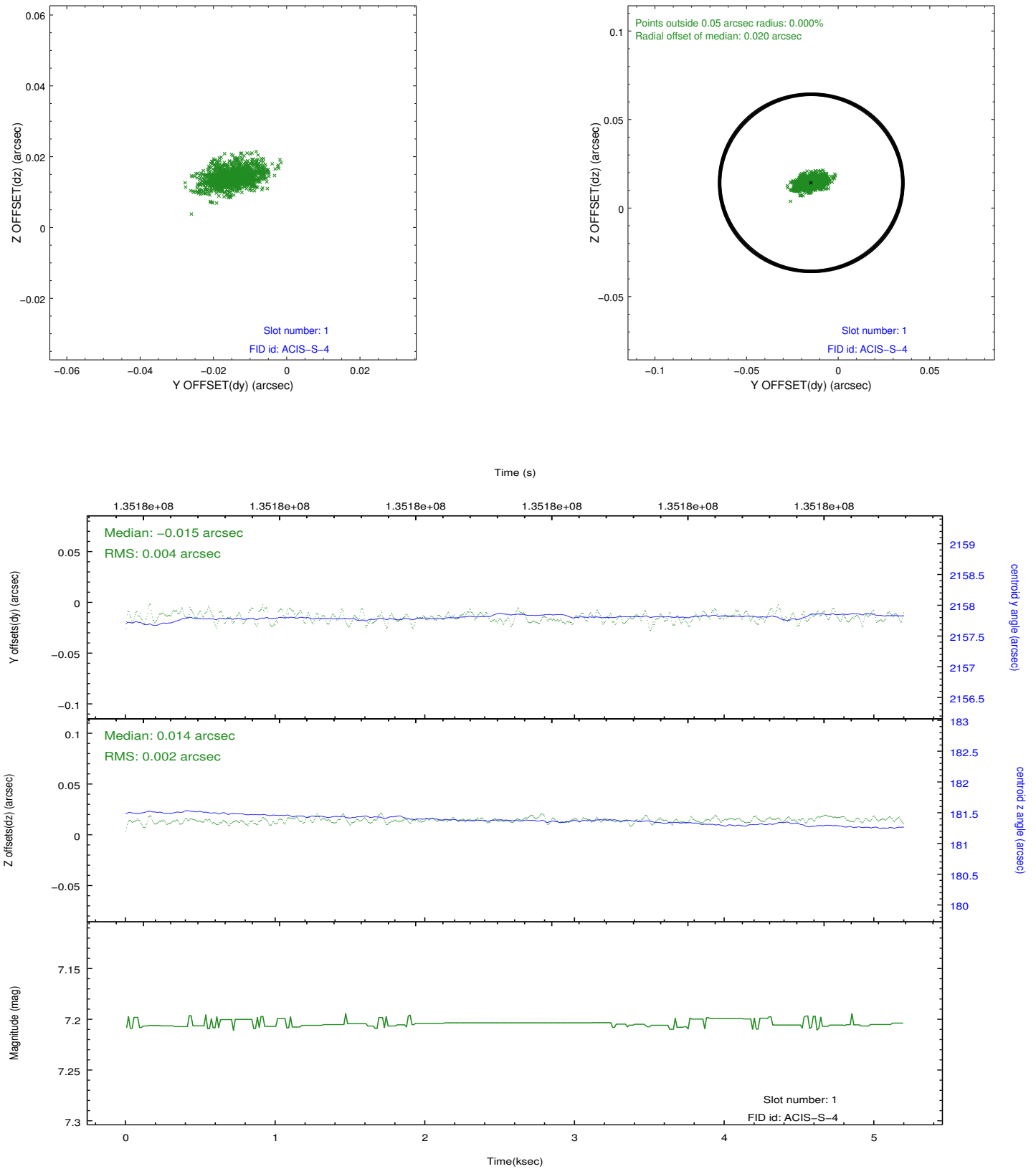


2.5 FID Slots

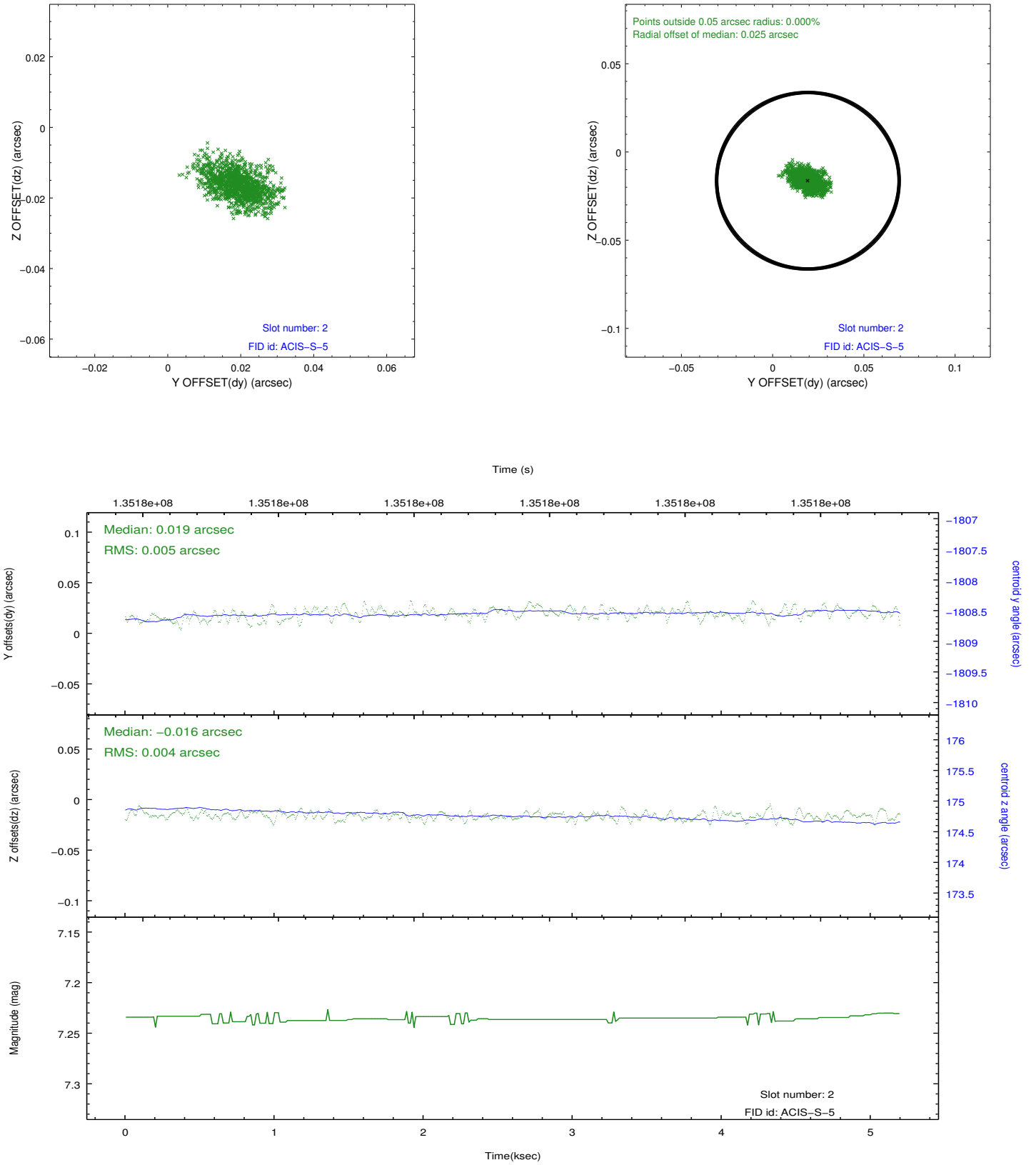
2.5.1 Slot 0



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)	2012.10.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.19

A.2 Comments