

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1645 - L2 Version 3
Chandra X-Ray Center

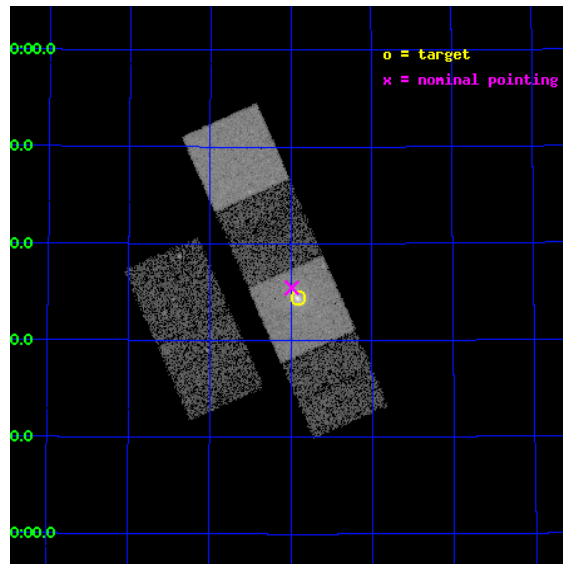
L2 Processing Date : Sep 2 2012

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1 Front

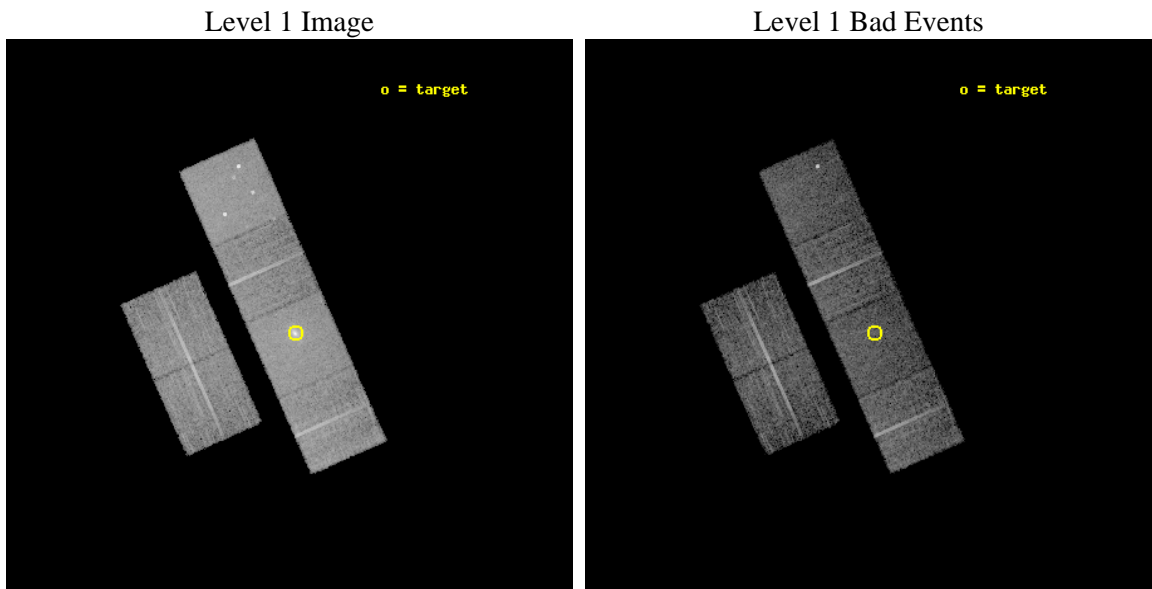
seq_num	800113	Sequence number
obs_id	1645	Observation id
title	THE COOLING FLOW IN 4C55.16	Proposal title
observer	Professor Andrew Fabian	Principal investigator
object	4C55.16	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	128.72875	Observer's specified target RA [deg]
dec_targ	55.5725	Observer's specified target Dec [deg]
ra_nom	128.74664565165	Nominal RA [deg]
dec_nom	55.590877086211	Nominal Dec [deg]
roll_nom	66.123401121308	Nominal Roll [deg]
revision	3	Processing version of data
ontime	9190.4000085443	Sum of GTIs [s]
livetime	9074.0256298416	Livetime [s]
ontime2	9190.4000085443	Sum of GTIs [s]
ontime3	9190.4000085443	Sum of GTIs [s]
ontime5	9190.4000085443	Sum of GTIs [s]
ontime6	9190.4000085443	Sum of GTIs [s]
ontime7	9190.4000085443	Sum of GTIs [s]
ontime8	9190.4000085443	Sum of GTIs [s]
l2events	95315	Number of level 2 events



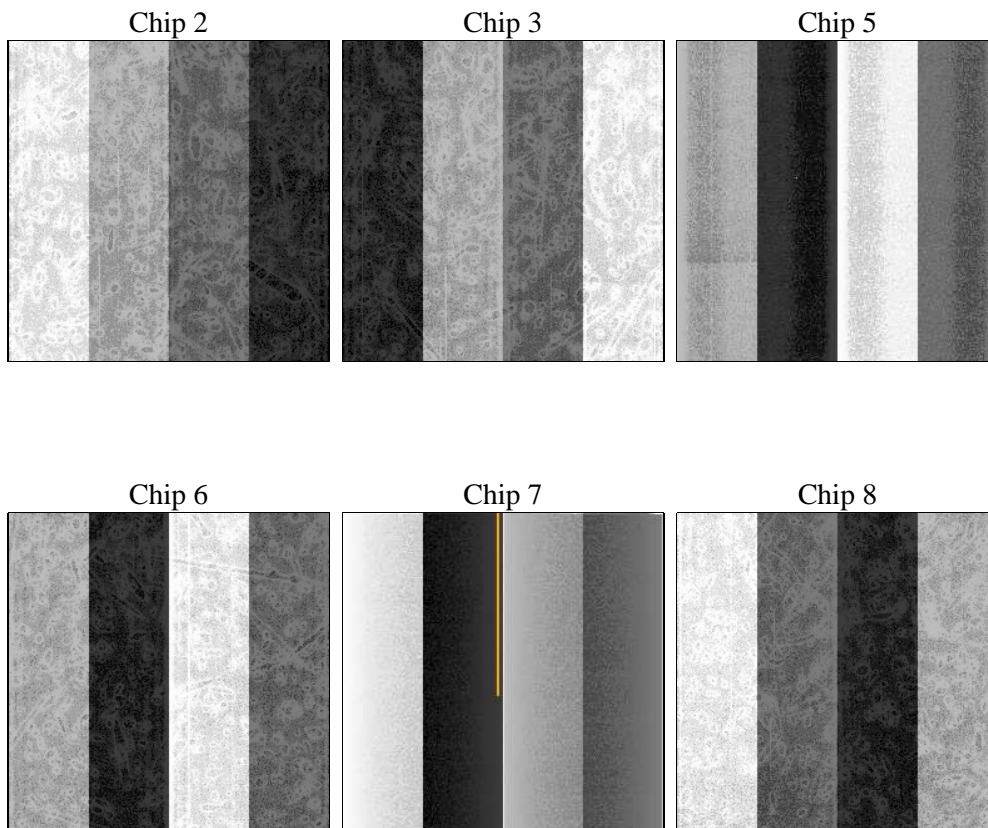
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	9000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	9190.4000085443	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	9190.4000085443	Sum of GTIs [s]
date	2012-09-02T09:38:50	Date and time of file creation	ontime3	9190.4000085443	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	9190.4000085443	Sum of GTIs [s]
			ontime6	9190.4000085443	Sum of GTIs [s]
			ontime7	9190.4000085443	Sum of GTIs [s]
			ontime8	9190.4000085443	Sum of GTIs [s]
			l1events	398217	Number of level 1 events

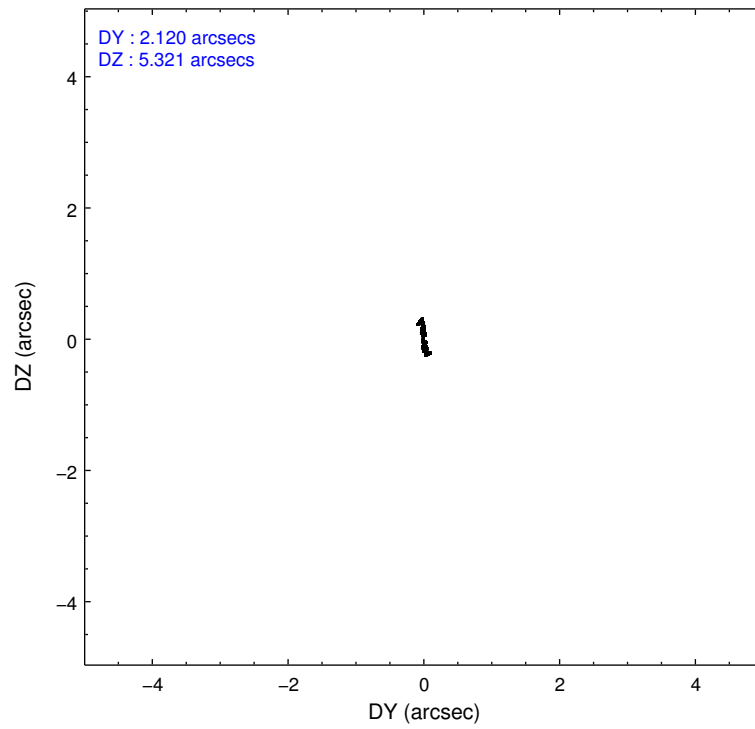
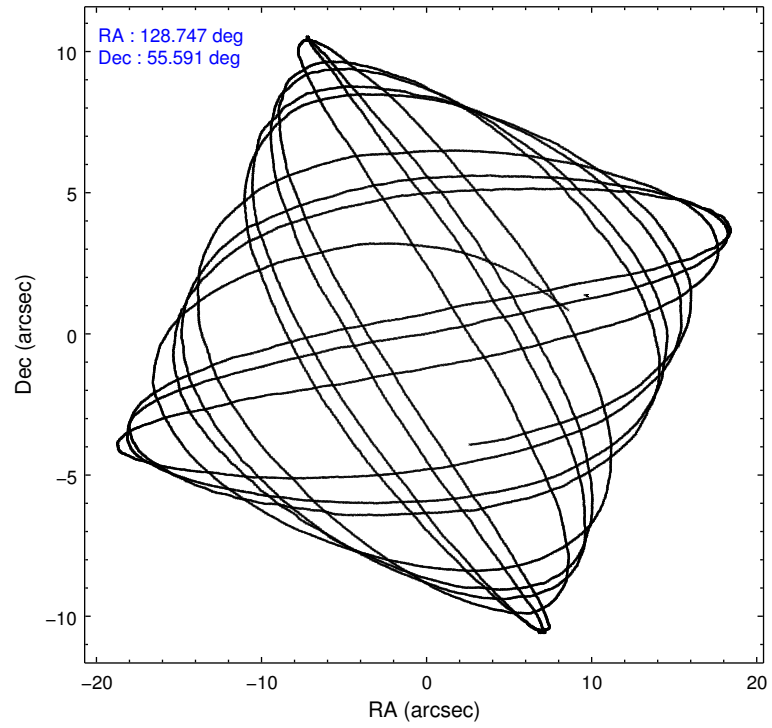
2.1.4 Events

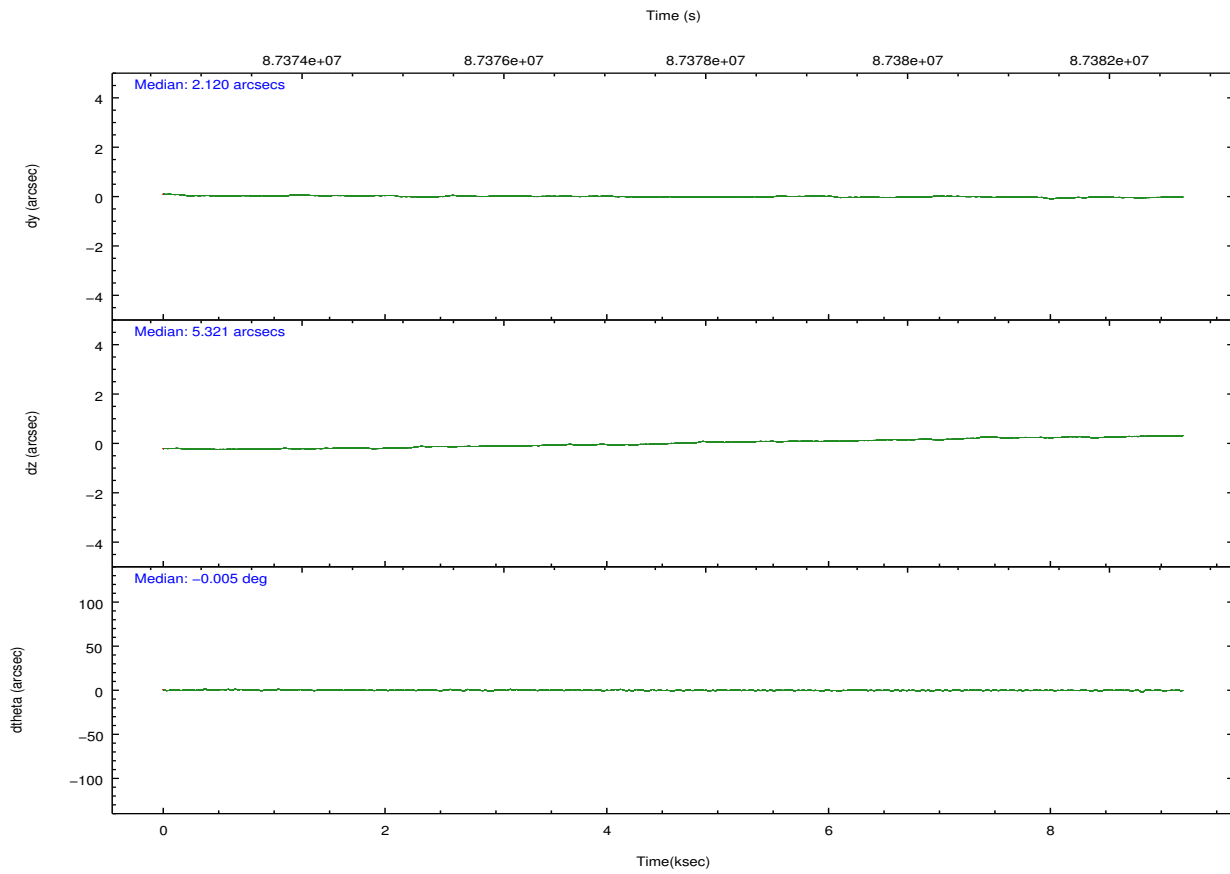
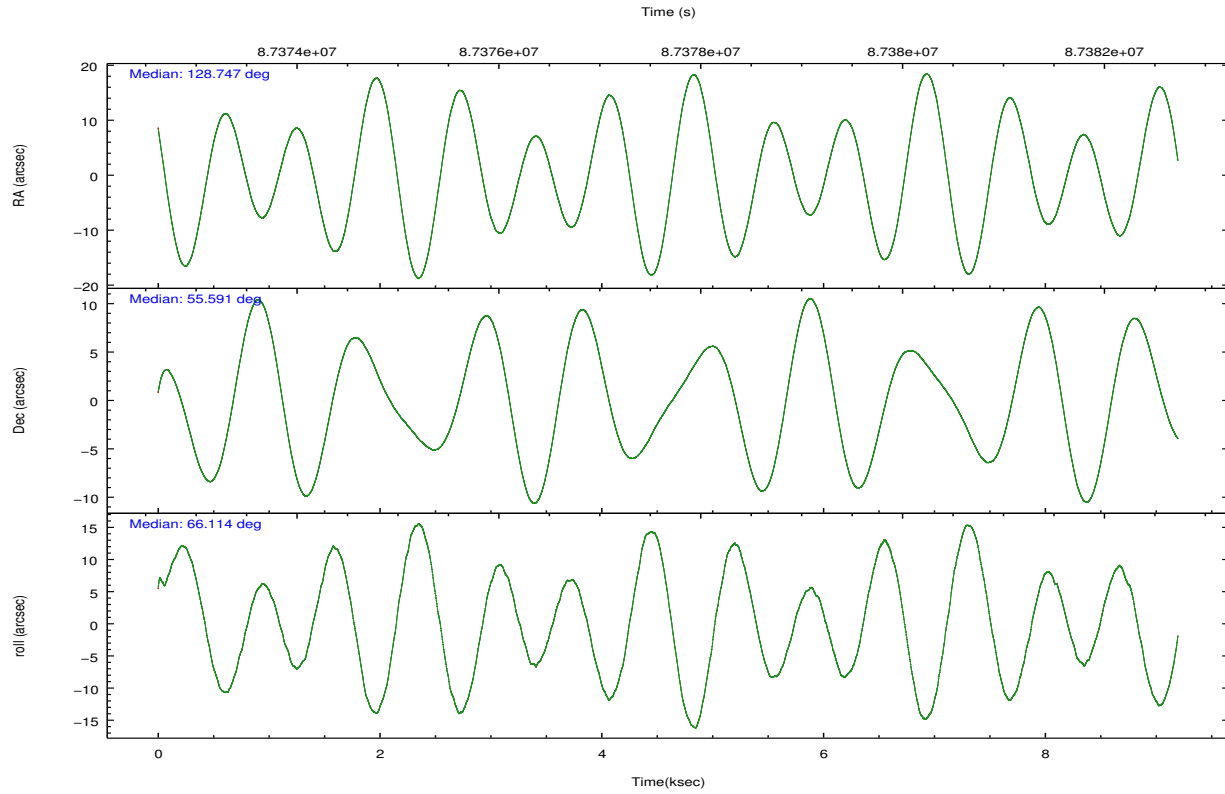
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	56569	53985	82008	55970	80285	69400	grade 0 events	2674	2568	6761	2581	6112	4038
rejected events	50548	48119	42072	49783	40268	56184		4%	4%	8%	4%	7%	5%
rejected %	89%	89%	51%	88%	50%	80%	grade 1 events	29	25	76	15	68	42
								0%	0%	0%	0%	0%	0%
							grade 2 events	1257	1061	11325	1243	8426	2874
								2%	1%	13%	2%	10%	4%
							grade 3 events	589	592	1769	636	3980	1369
								1%	1%	2%	1%	4%	1%
							grade 4 events	537	622	1658	613	3855	1342
								0%	1%	2%	1%	4%	1%
							grade 5 events	1746	1933	5986	2242	6521	2802
								3%	3%	7%	4%	8%	4%
							grade 6 events	1012	1065	18795	1172	17981	3686
								1%	1%	22%	2%	22%	5%
							grade 7 events	48725	46119	35638	47468	33342	53247
								86%	85%	43%	84%	41%	76%

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	128.752130	128.7466456516549	Subarray requested	NONE	NONE
[deg] Pointing Dec	55.563689	55.59087708621131	Alternating exposures requested	N	N
[deg] Pointing Roll	65.962245	66.1234011213084	[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)	87373275.184000	87372160.22272401			
Observation start date	2000-10-08T06:20:11	2000-10-08T06:02:40			
[s] Observation end time (MET)	87382275.184000	87383104.148137			
Observation end date	2000-10-08T08:50:11	2000-10-08T09:05:04			
Read mode	TIMED	TIMED			

2.3 Aspect



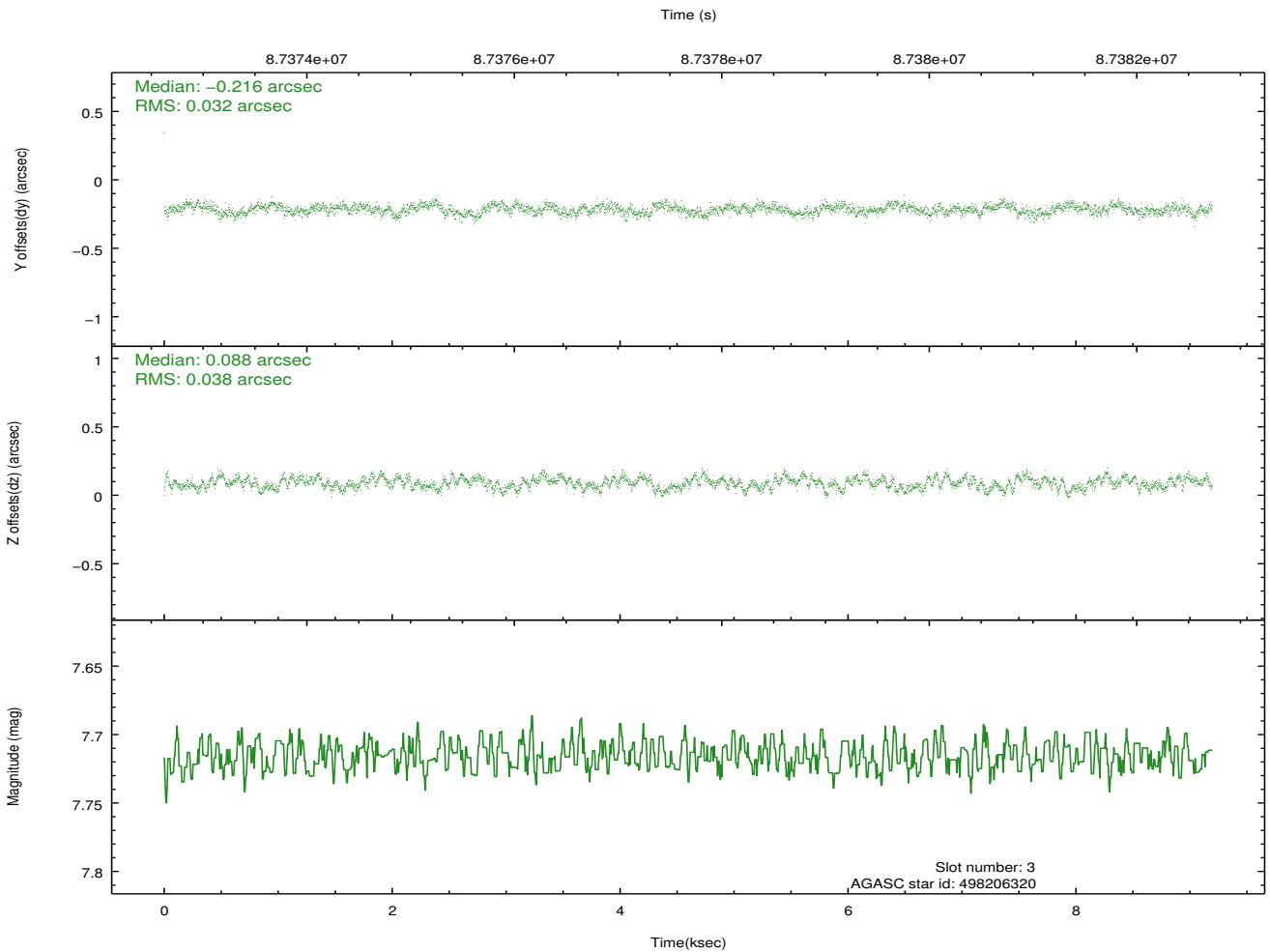
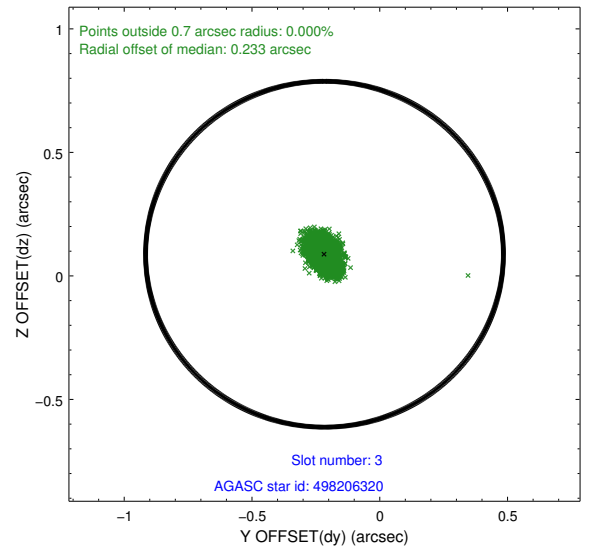
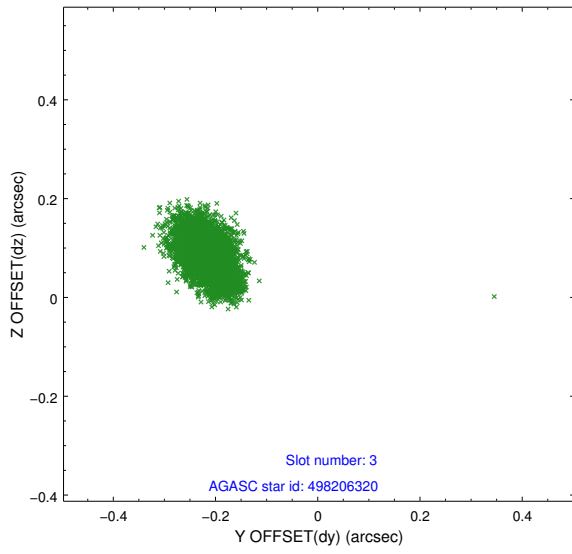


Slot Statistics

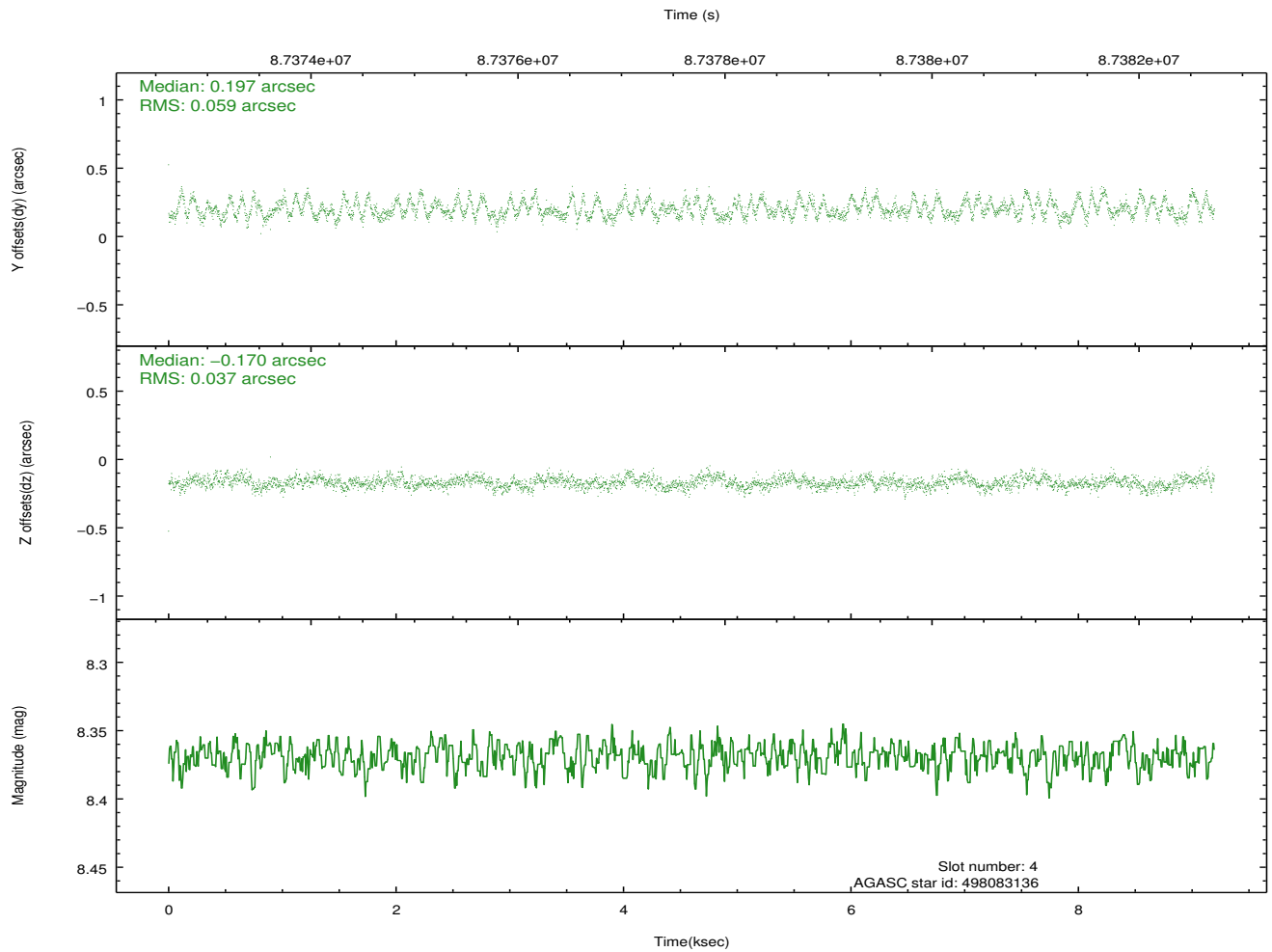
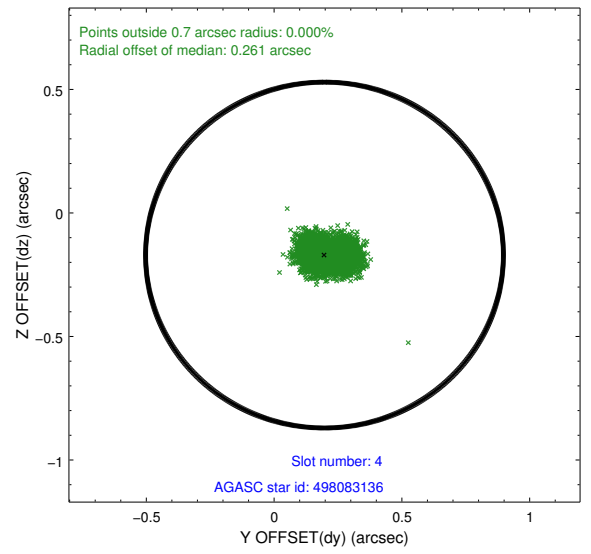
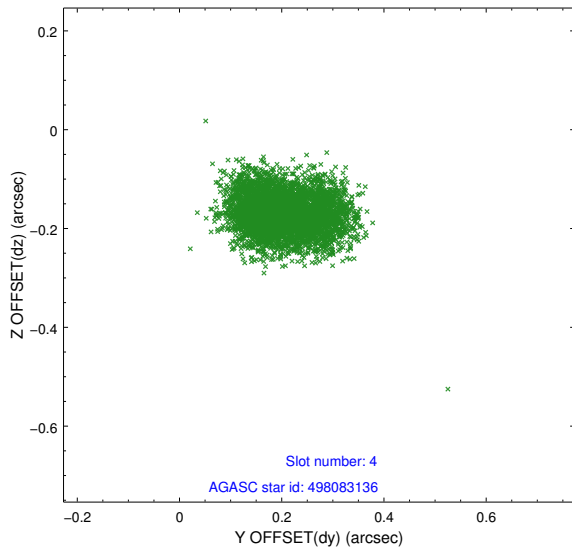
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2244	-0.047	-0.007	0.007	0.012	0.000000	0.000000	-754.76	-1726.42
1	FID	ACIS-S-4	7.20	2244	-0.000	0.025	0.006	0.011	0.000000	0.000000	2158.27	181.54
2	FID	ACIS-S-5	7.24	2244	0.016	-0.009	0.007	0.013	0.000000	0.000000	-1806.81	175.78
3	GUIDE	498206320	7.72	4485	-0.216	0.088	0.053	0.086	129.264284	55.839214	1331.54	-539.06
4	GUIDE	498083136	8.37	4484	0.197	-0.170	0.074	0.121	127.360204	55.285568	-2050.02	2209.81
5	GUIDE	498206776	9.19	4486	-0.096	0.164	0.103	0.165	130.185581	55.785525	1938.99	-2310.84
6	GUIDE	498207064	9.49	4482	0.023	0.061	0.078	0.130	129.027738	55.651865	520.07	-381.32
7	GUIDE	498081512	9.68	4482	0.086	-0.141	0.111	0.179	127.740416	55.501187	-1031.57	1798.53

2.4 Star Slots

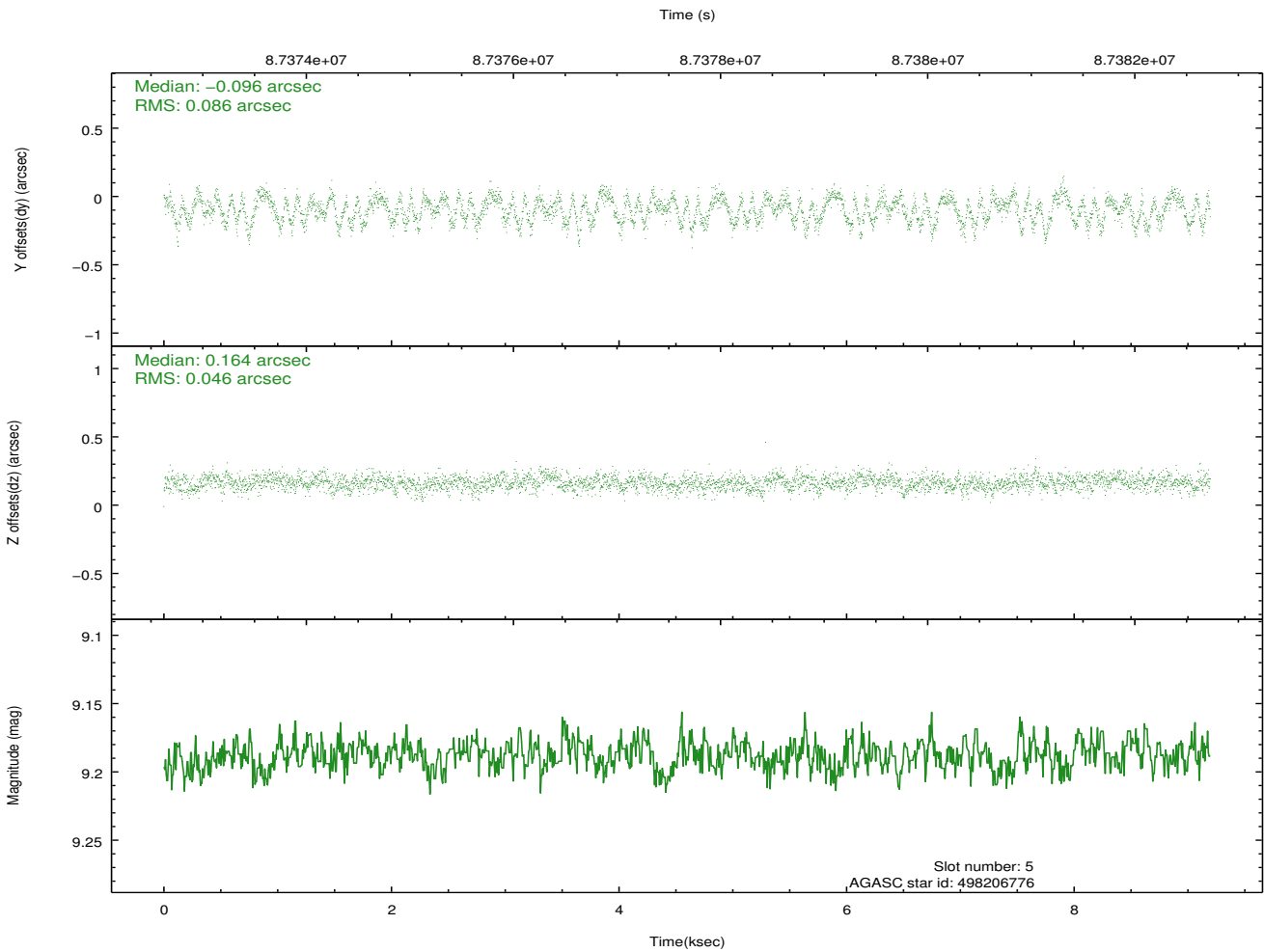
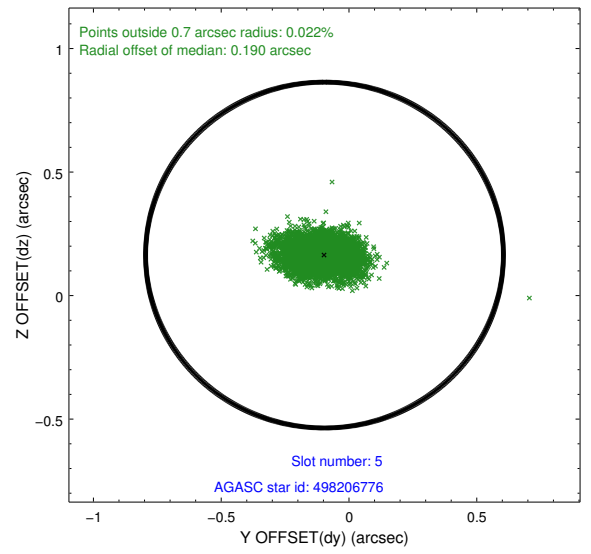
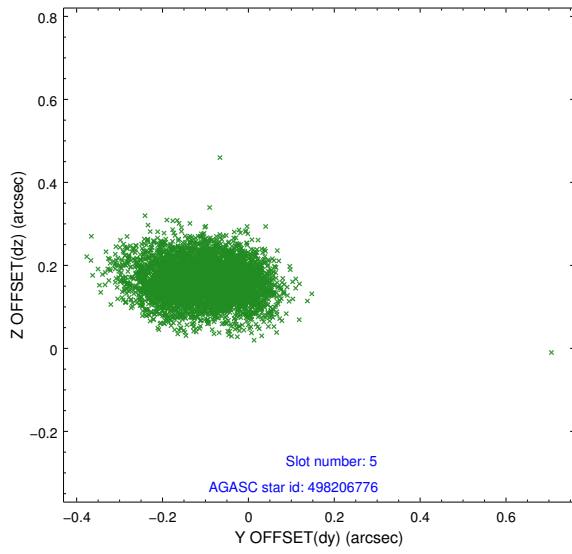
2.4.1 Slot 3



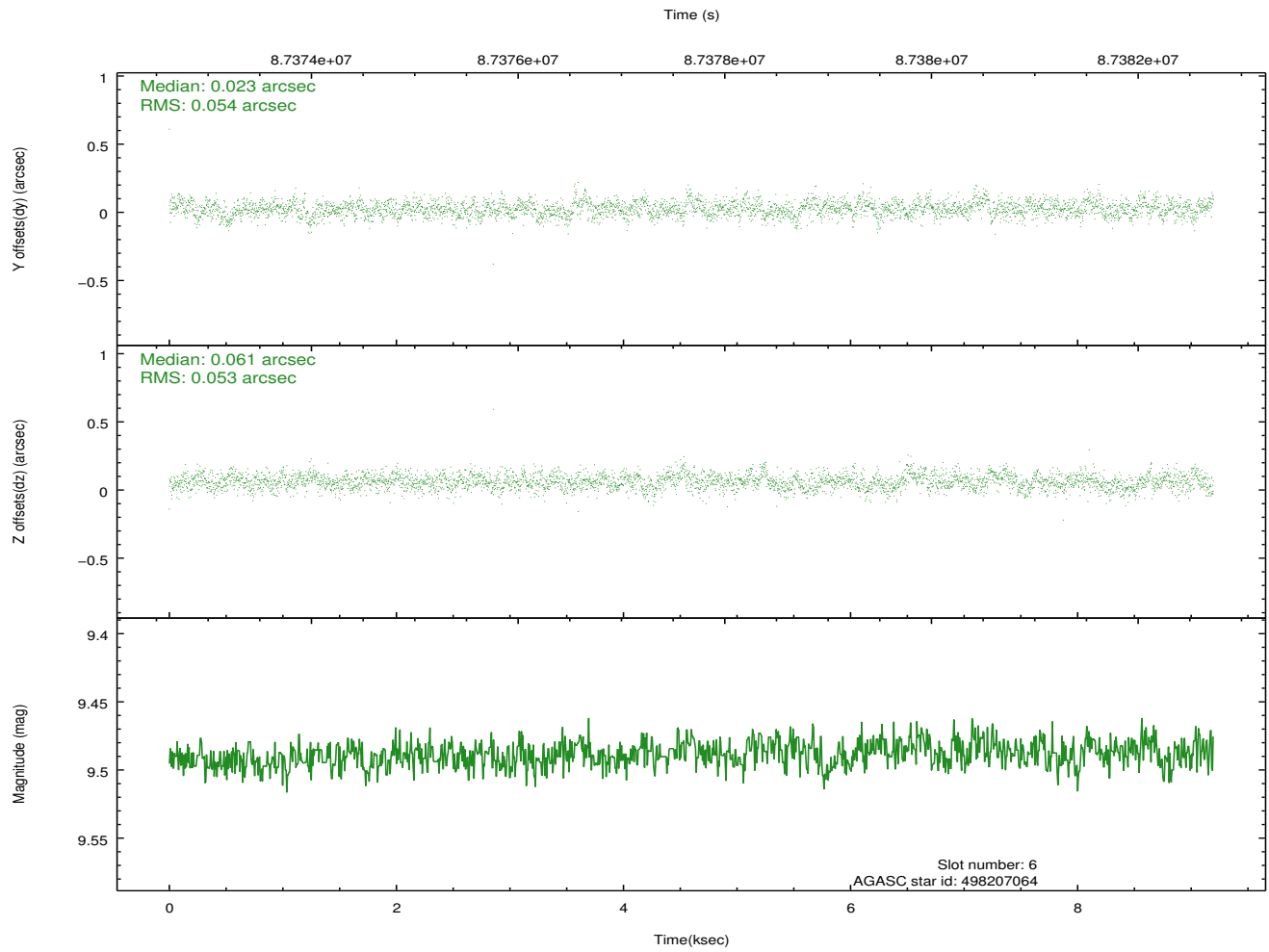
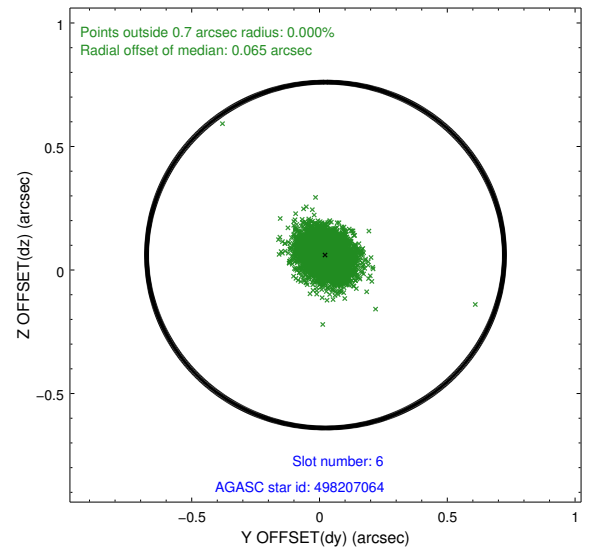
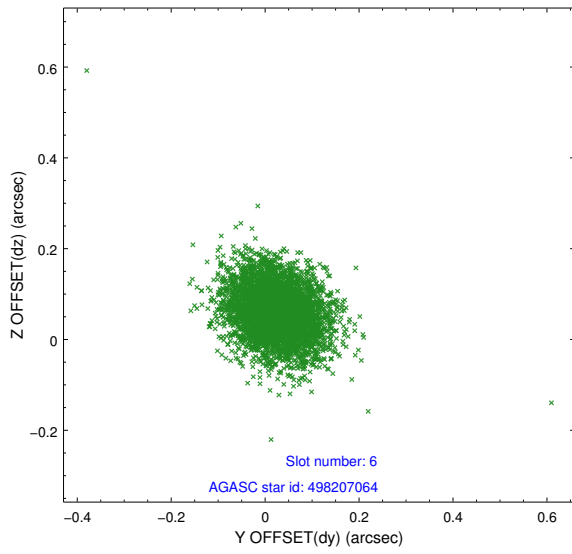
2.4.2 Slot 4



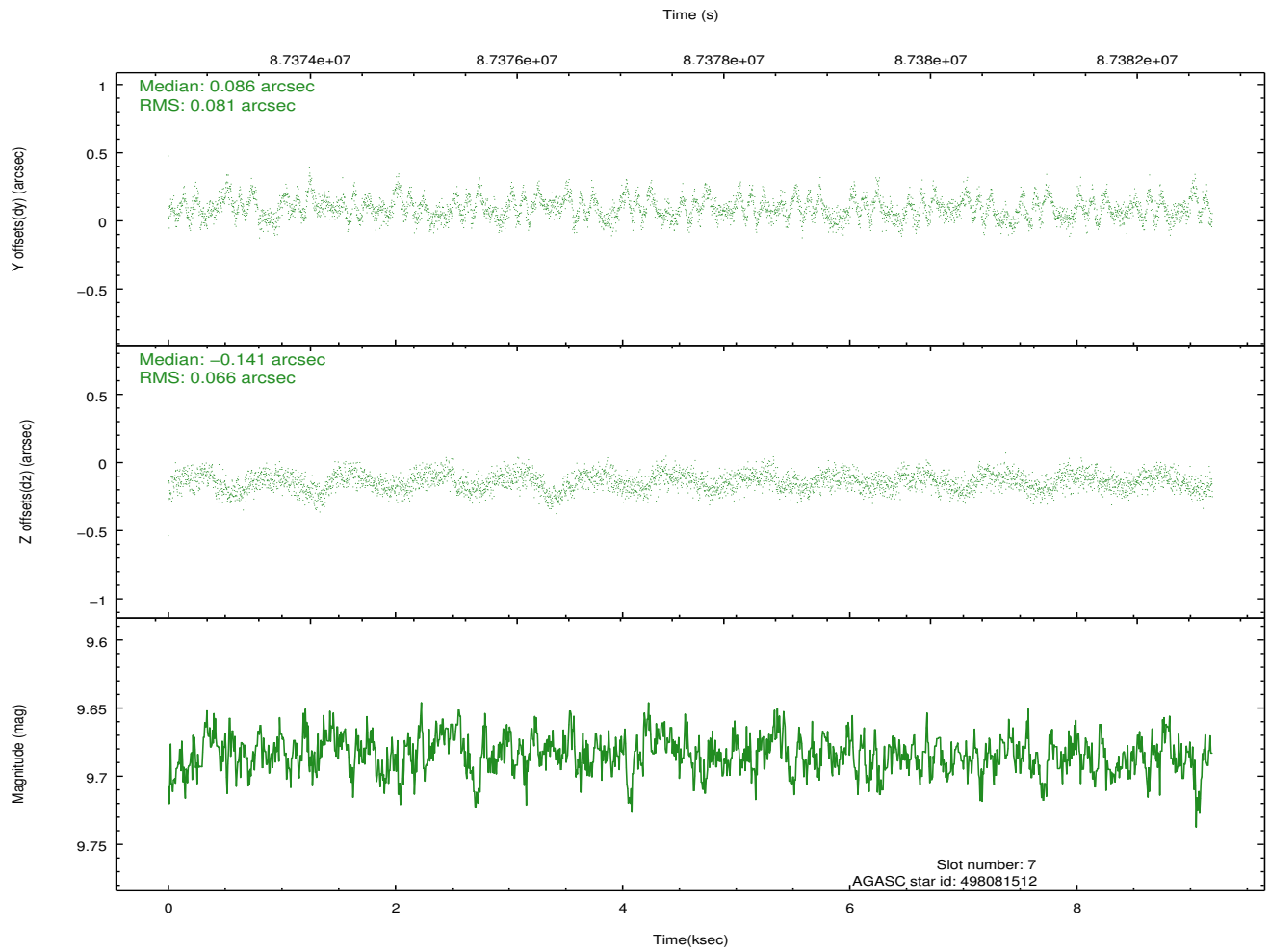
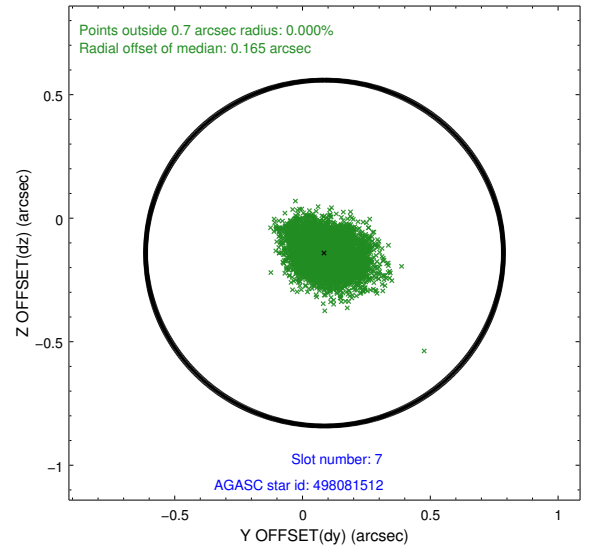
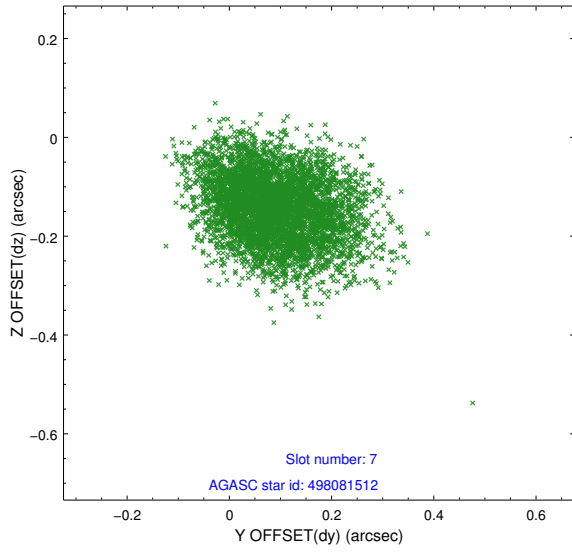
2.4.3 Slot 5



2.4.4 Slot 6

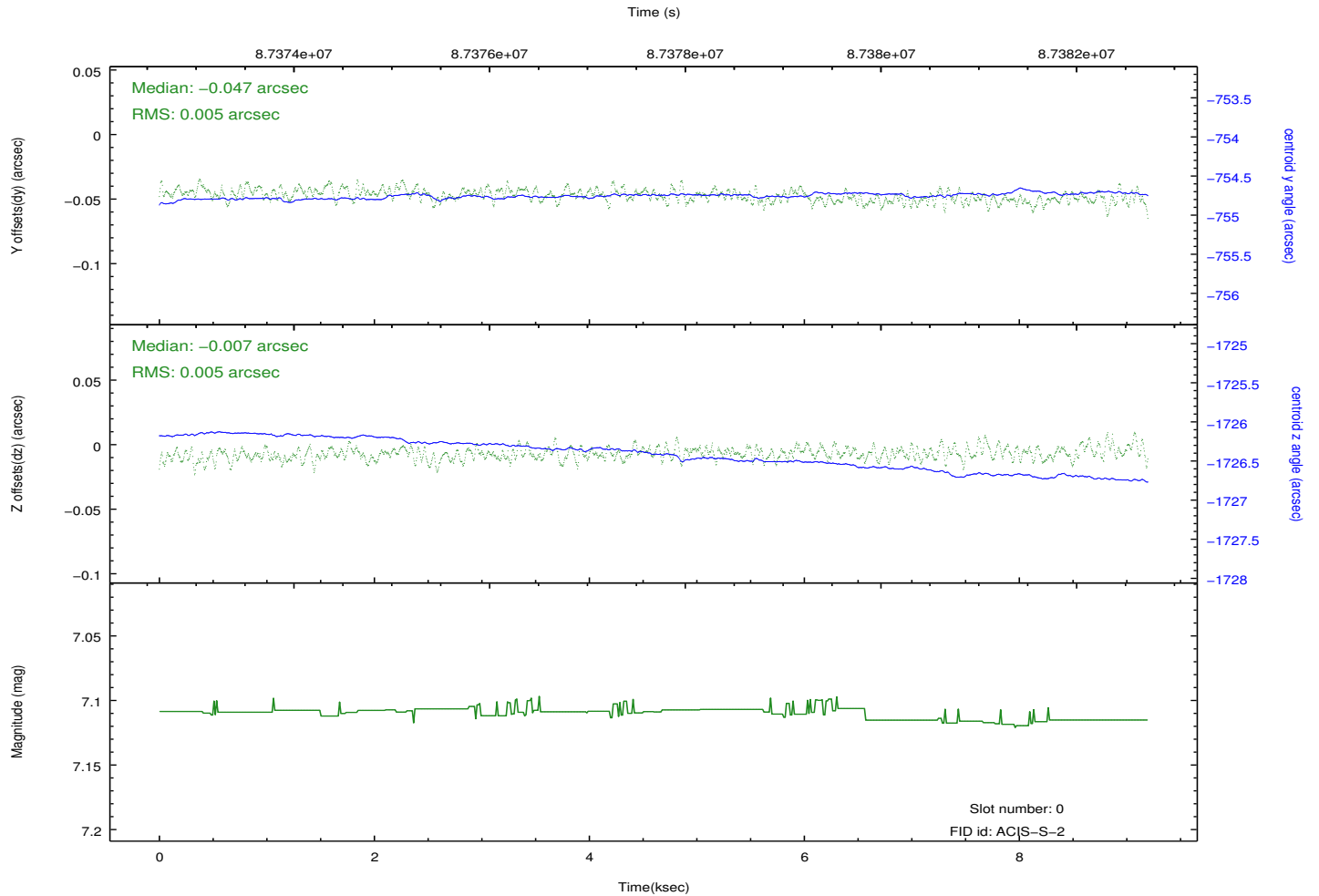
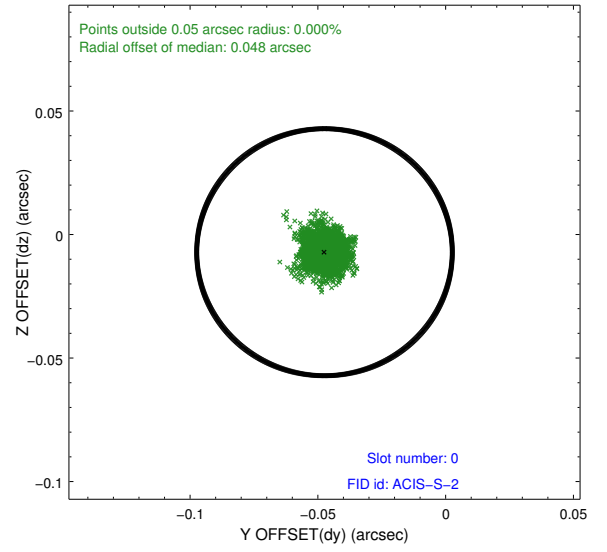
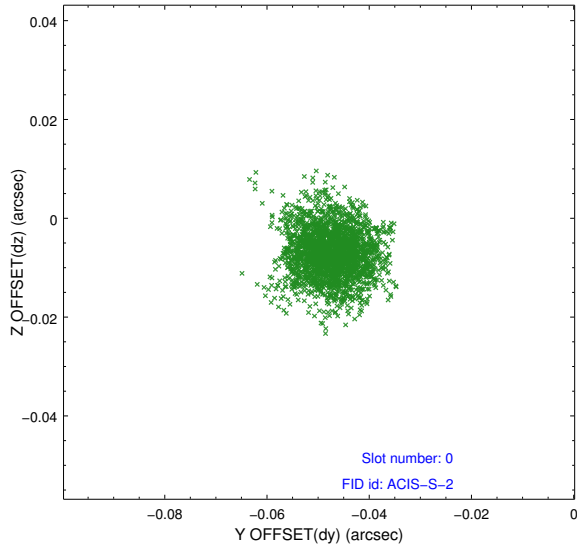


2.4.5 Slot 7

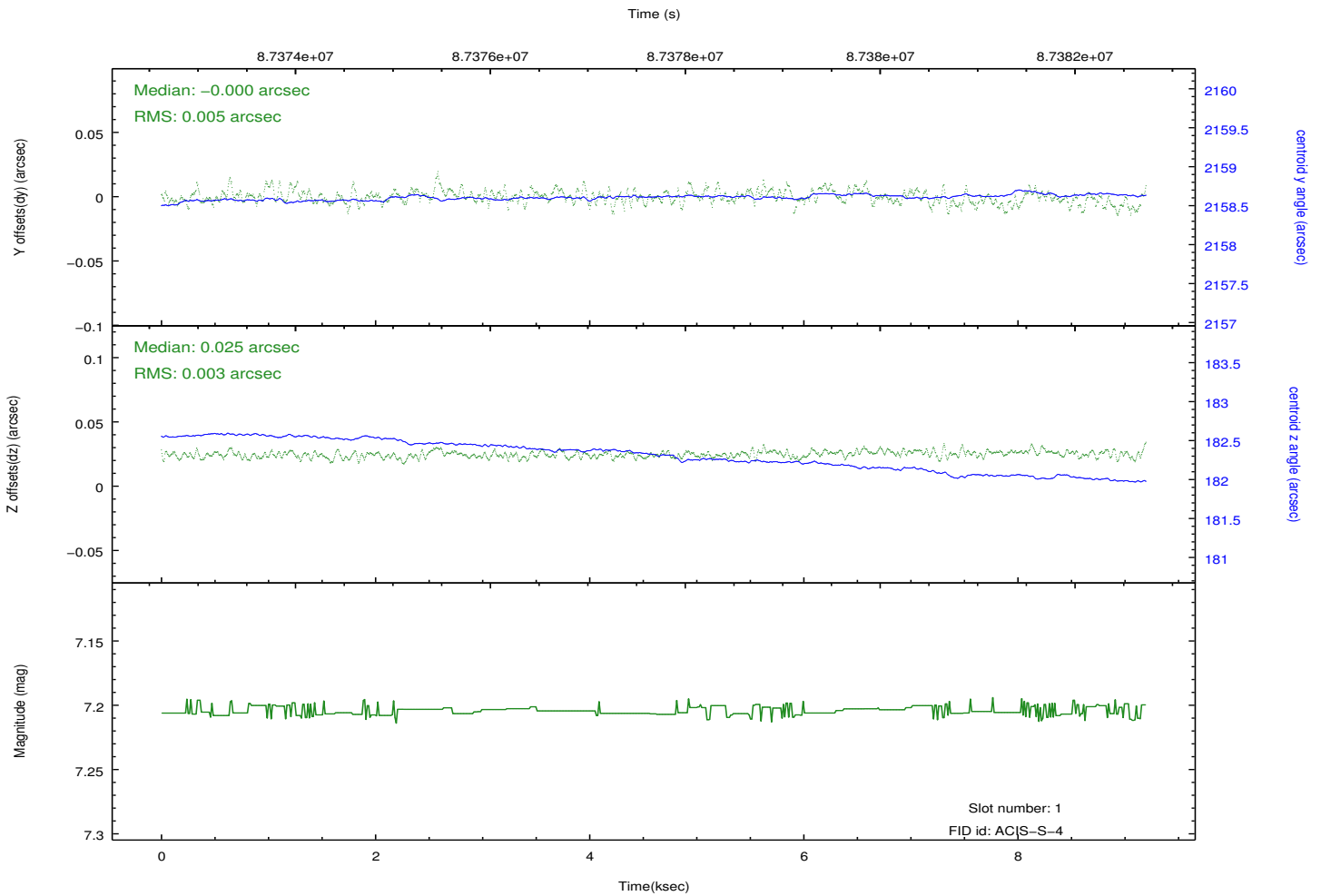
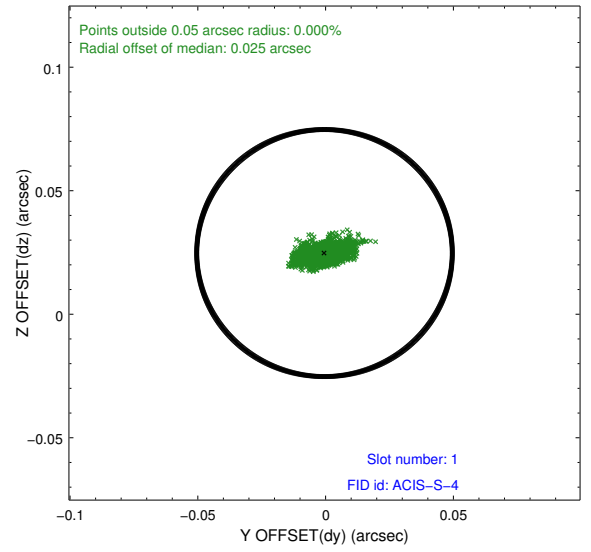
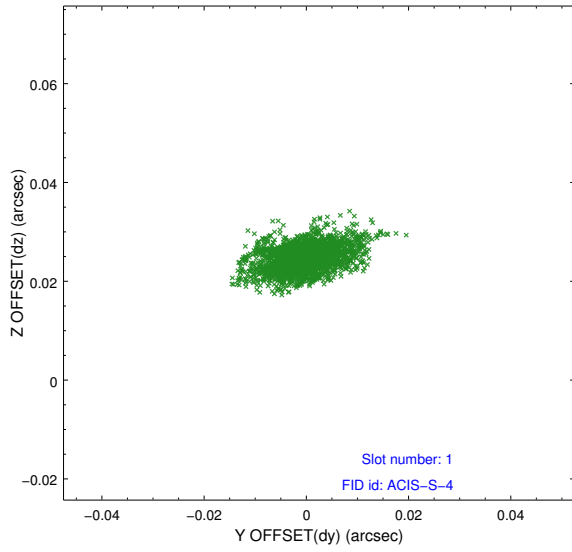


2.5 FID Slots

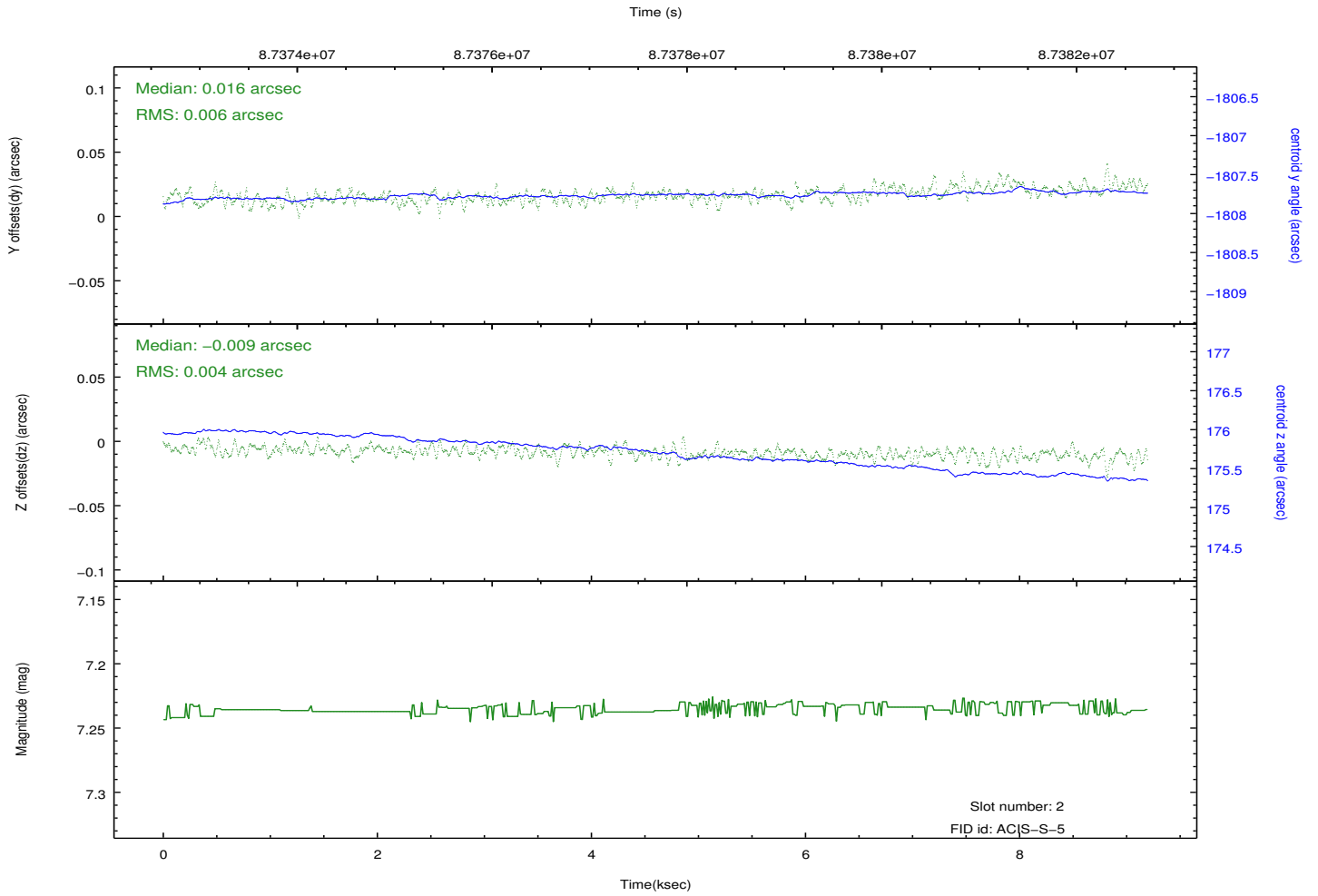
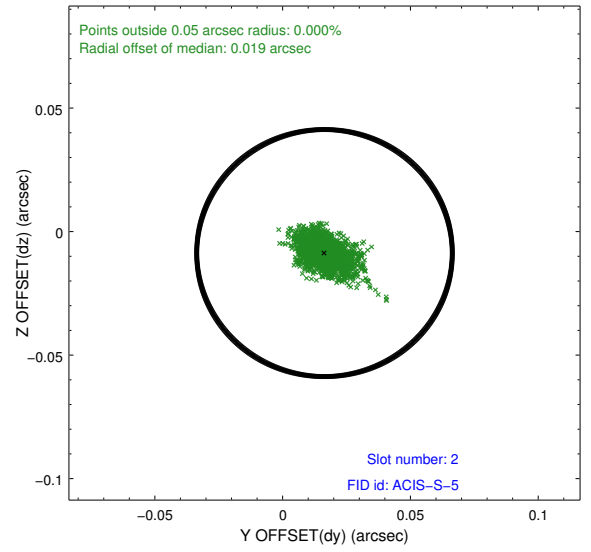
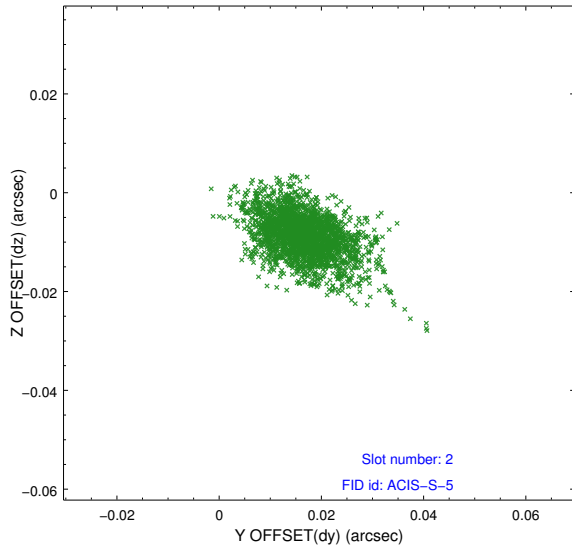
2.5.1 Slot 0



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)	2012.09.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.19

A.2 Comments