

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 805 - L2 Version 4
Chandra X-Ray Center

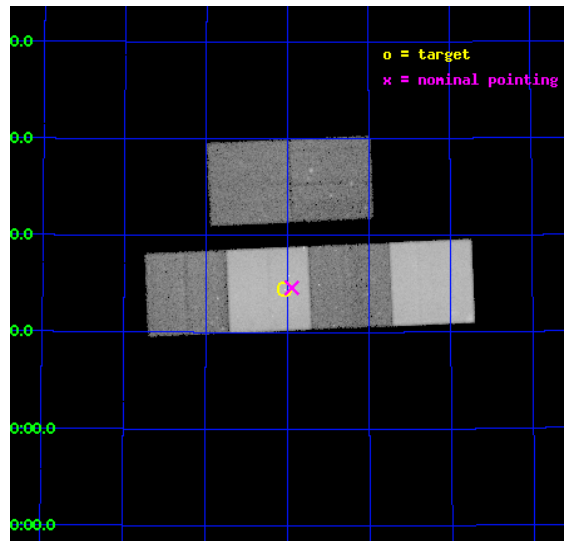
L2 Processing Date : Aug 22 2012

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1 Front

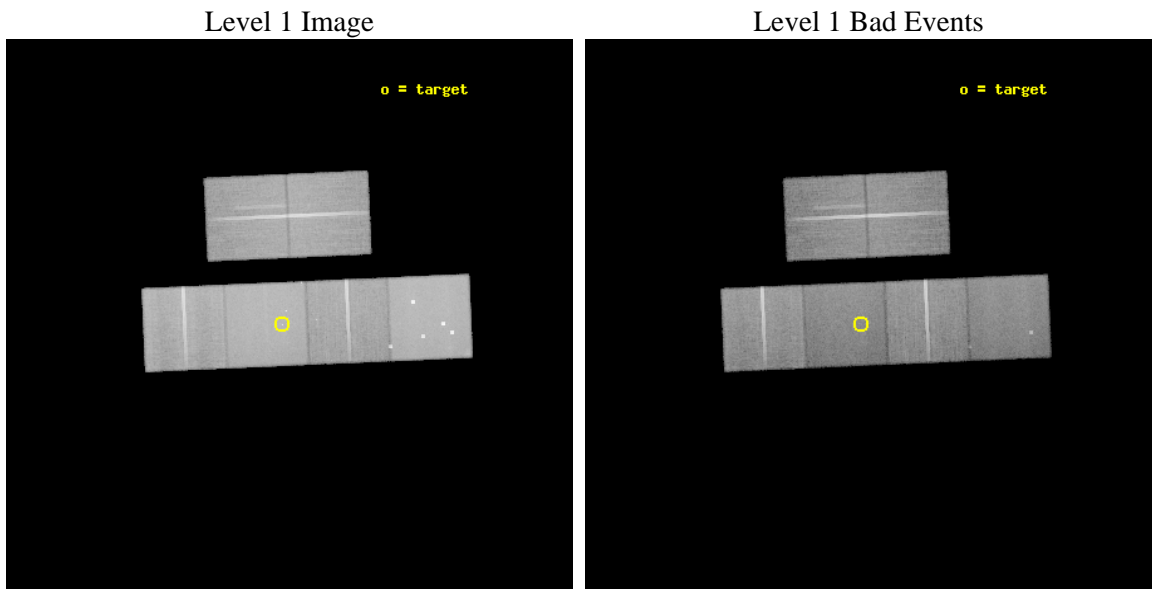
seq_num	600108	Sequence number
obs_id	805	Observation id
title	DIFFUSE HOT GAS IN THE EXTREMELY METAL-POOR GALAXY I ZW 18	Proposa
observer	DR. DOMINIK BOMANS	Principal investigator
object	I ZW 18	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	143.508333	Observer's specified target RA [deg]
dec_targ	55.241111	Observer's specified target Dec [deg]
ra_nom	143.48611311412	Nominal RA [deg]
dec_nom	55.243546717073	Nominal Dec [deg]
roll_nom	177.48276151286	Nominal Roll [deg]
revision	4	Processing version of data
ontime	41297.857128076	Sum of GTIs [s]
livetime	40774.918794536	Livetime [s]
ontime2	41294.657207862	Sum of GTIs [s]
ontime3	41297.734008081	Sum of GTIs [s]
ontime5	41297.81608808	Sum of GTIs [s]
ontime6	41294.534077853	Sum of GTIs [s]
ontime7	41297.857128076	Sum of GTIs [s]
ontime8	41297.692968078	Sum of GTIs [s]
l2events	580275	Number of level 2 events



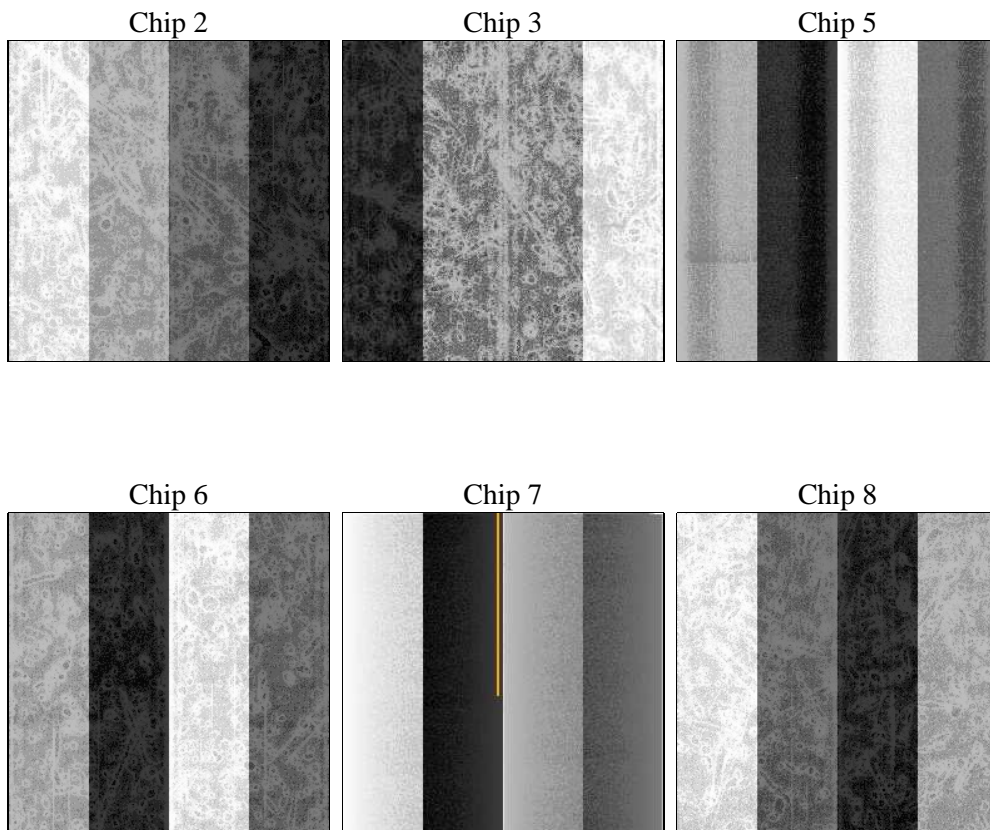
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	42250.068000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	41297.857128076	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	41294.657207862	Sum of GTIs [s]
date	2012-08-22T14:10:28	Date and time of file creation	ontime3	41297.734008081	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	41297.81608808	Sum of GTIs [s]
			ontime6	41294.534077853	Sum of GTIs [s]
			ontime7	41297.857128076	Sum of GTIs [s]
			ontime8	41297.692968078	Sum of GTIs [s]
			l1events	2334657	Number of level 1 events

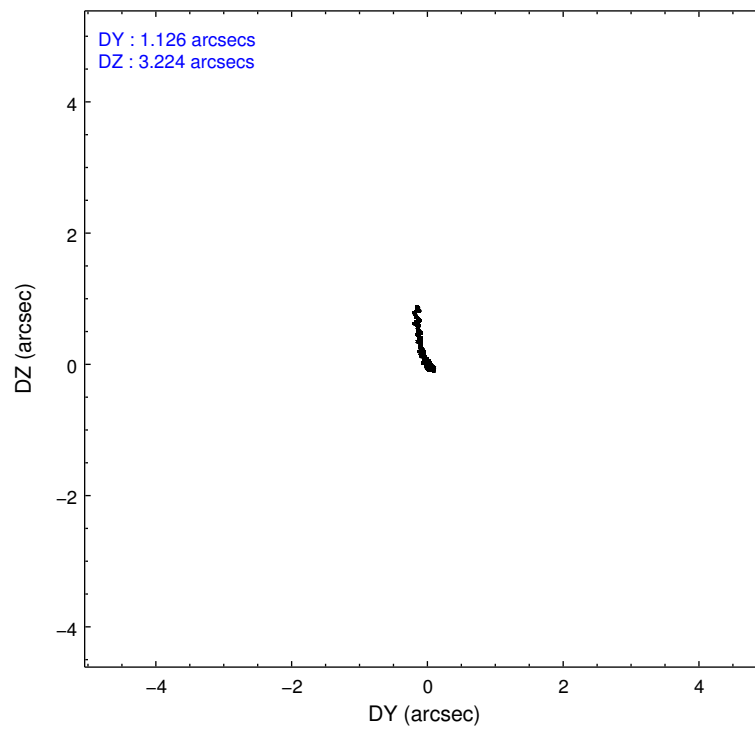
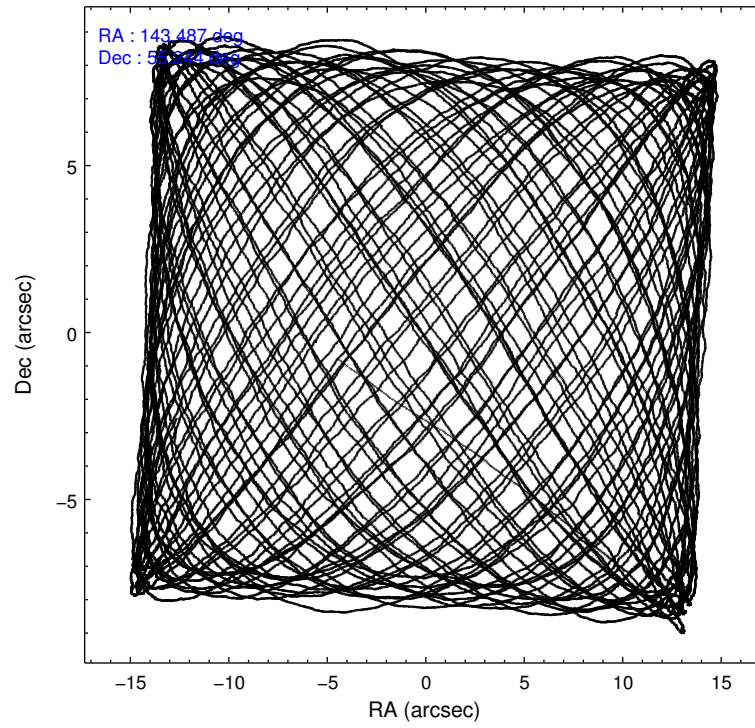
2.1.4 Events

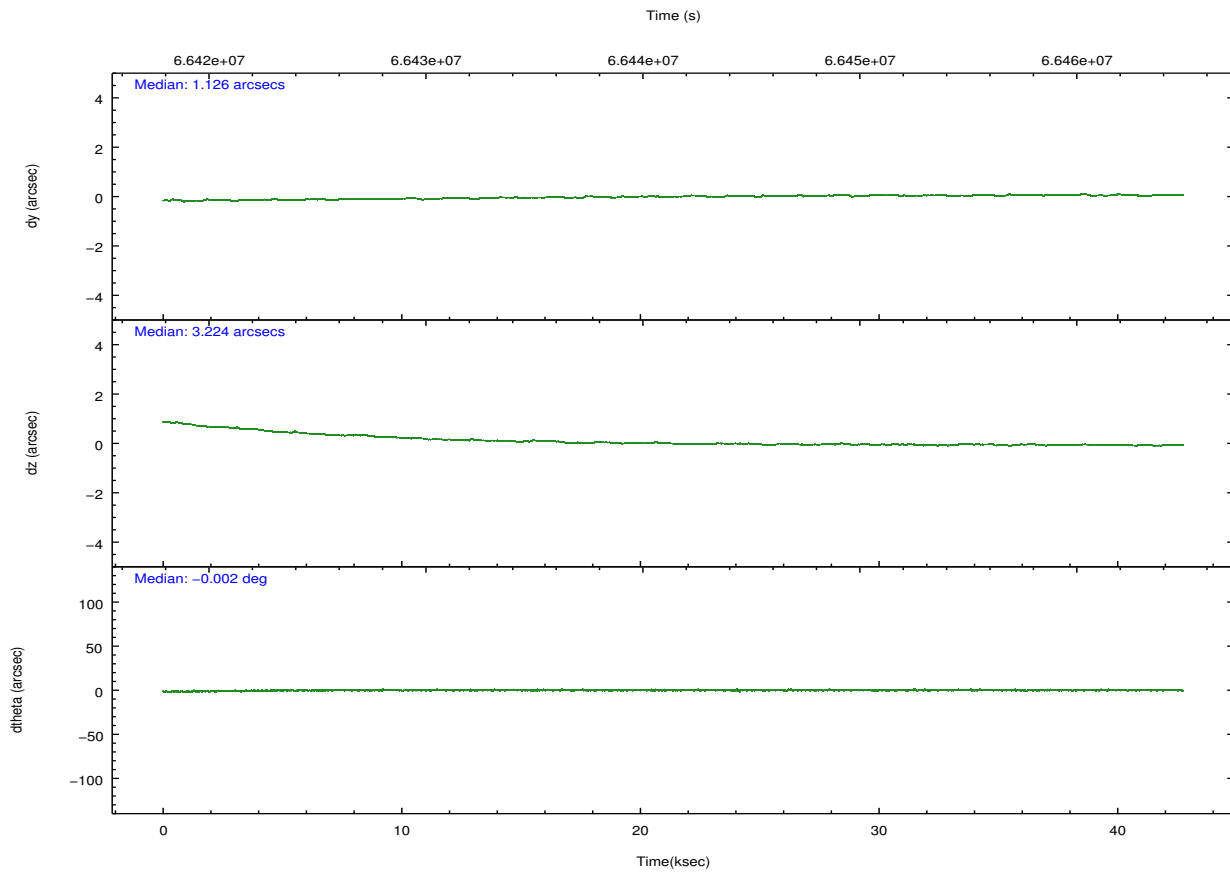
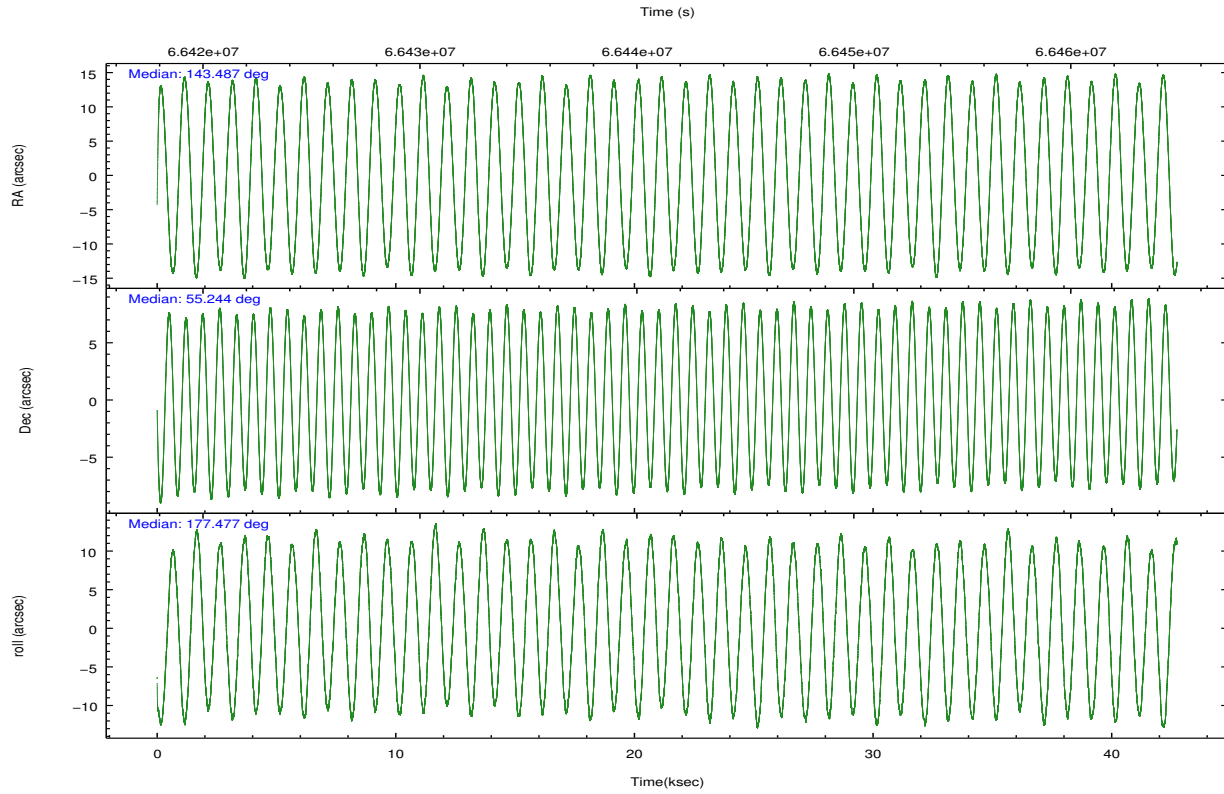
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	342823	319569	497532	331113	442241	401379	grade 0 events	14154	14318	49737	15202	25174	24681
rejected events	309651	286730	225939	295858	215235	325846		4%	4%	9%	4%	5%	6%
rejected %	90%	89%	45%	89%	48%	81%	grade 1 events	165	138	693	159	411	237
								0%	0%	0%	0%	0%	0%
							grade 2 events	6901	6379	75600	6647	44165	15754
								2%	1%	15%	2%	9%	3%
							grade 3 events	3167	3235	12734	3545	20385	8299
								0%	1%	2%	1%	4%	2%
							grade 4 events	3320	3235	12584	3487	19942	7618
								0%	1%	2%	1%	4%	1%
							grade 5 events	9656	10166	32681	11736	36408	14624
								2%	3%	6%	3%	8%	3%
							grade 6 events	5637	5676	120980	6380	117376	19197
								1%	1%	24%	1%	26%	4%
							grade 7 events	299823	276422	192523	283957	178380	310969
								87%	86%	38%	85%	40%	77%

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	143.528901	143.486113114121	Subarray requested	NONE	NONE
[deg] Pointing Dec	55.256242	55.24354671707269	Alternating exposures requested	N	N
[deg] Pointing Roll	177.290983	177.4827615128587	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	63072064.184000	63072064.184000			
[s] Window stop time (MET)	84153664.184000	84153664.184000			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	66420508.184000	66419465.069541			
Observation start date	2000-02-08T18:07:24	2000-02-08T17:51:05			
[s] Observation end time (MET)	66462758.184000	66463513.421146			
Observation end date	2000-02-09T05:51:34	2000-02-09T06:05:13			
Read mode	TIMED	TIMED			

2.3 Aspect



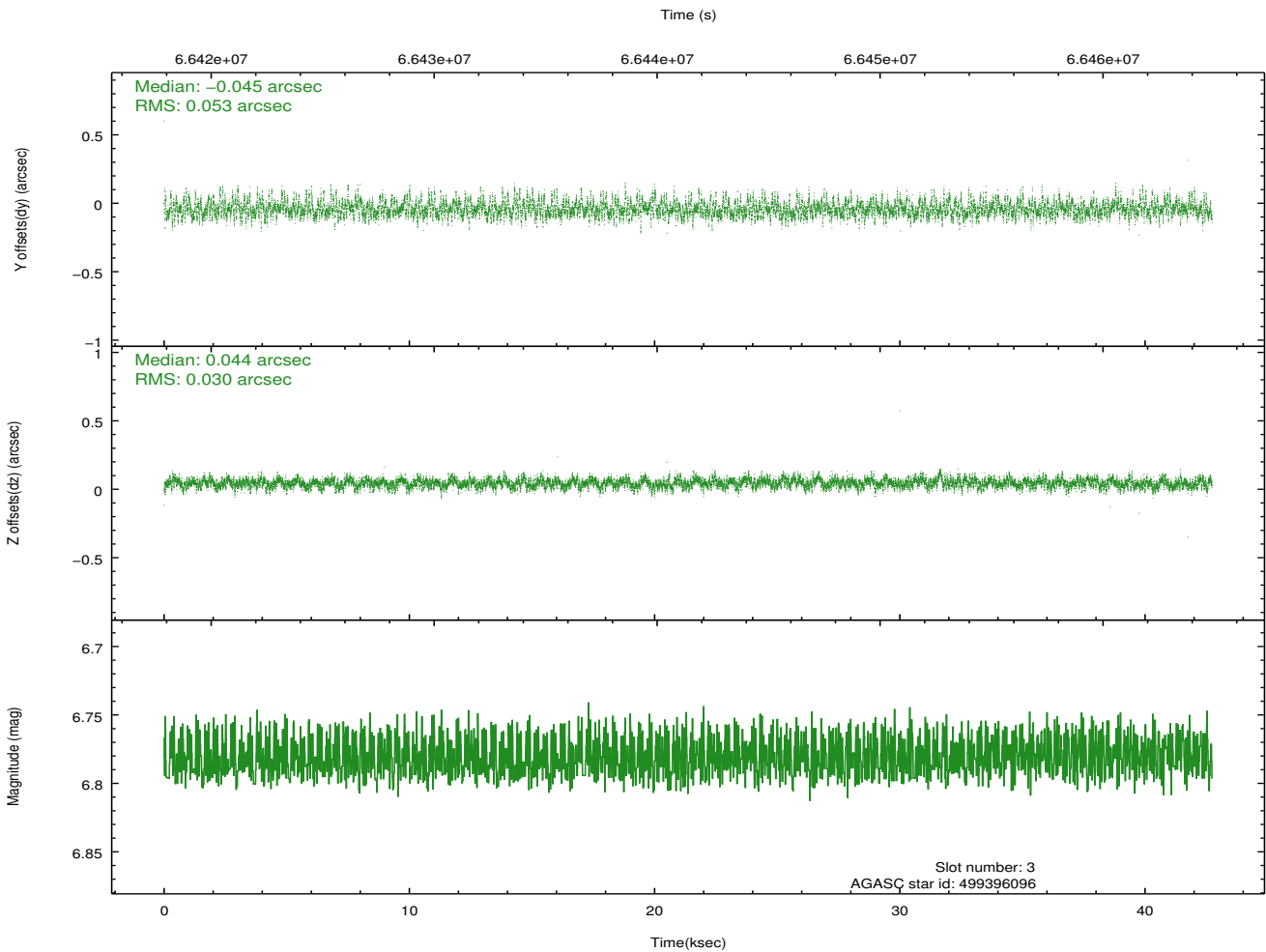
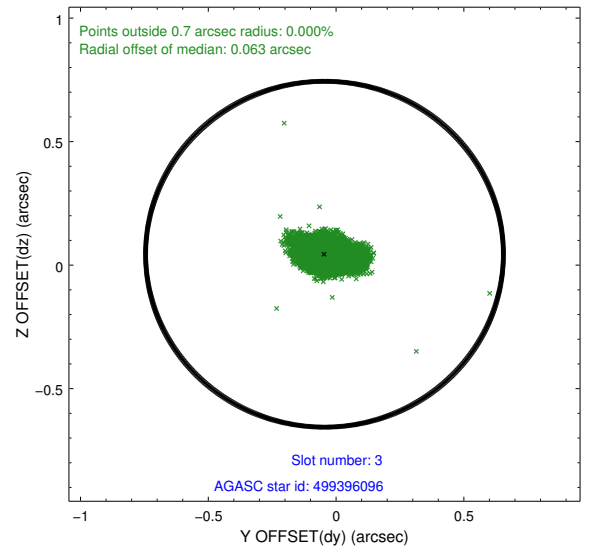
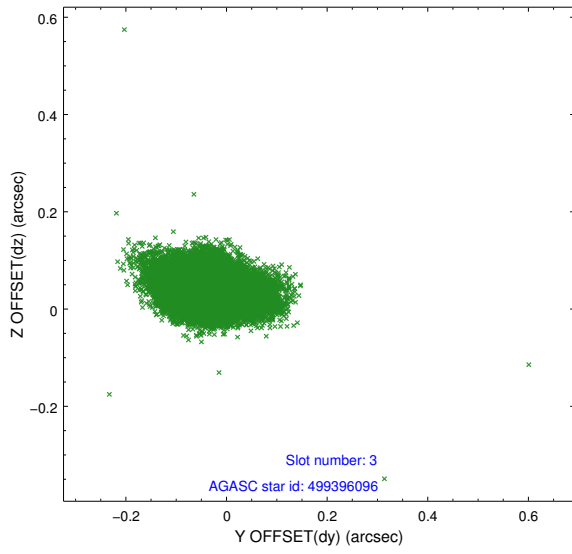


Slot Statistics

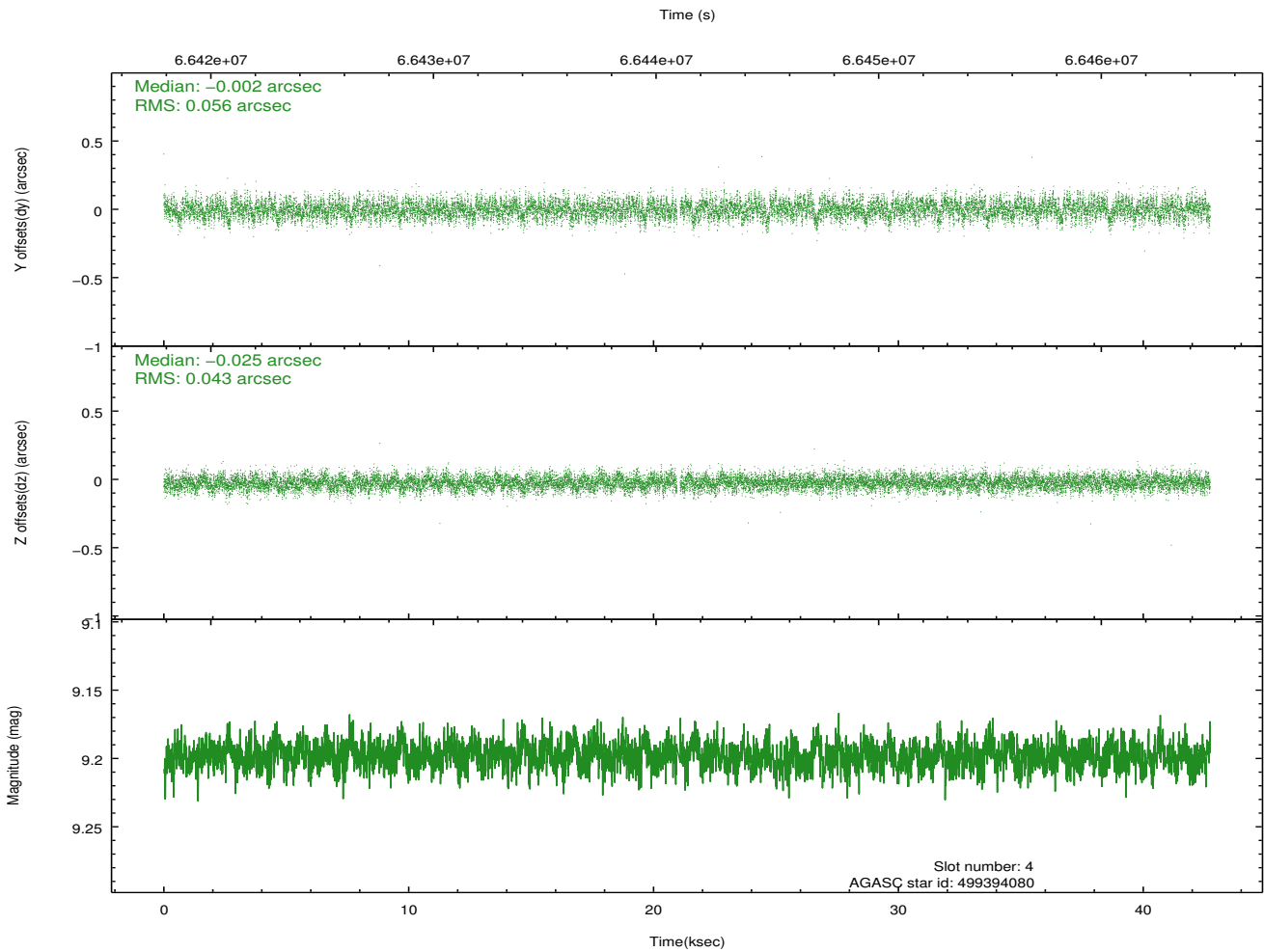
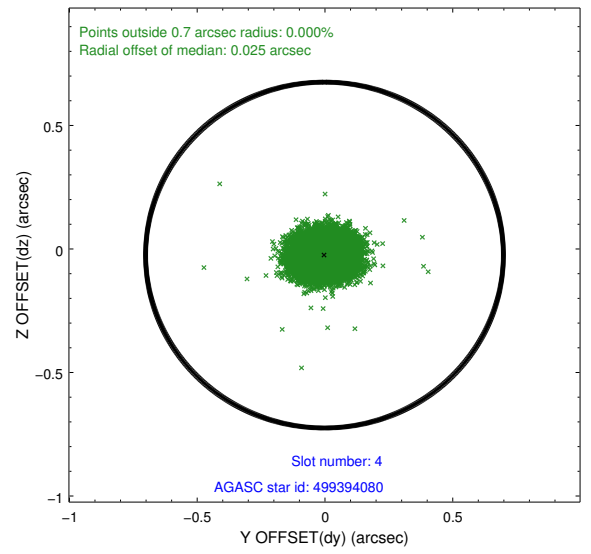
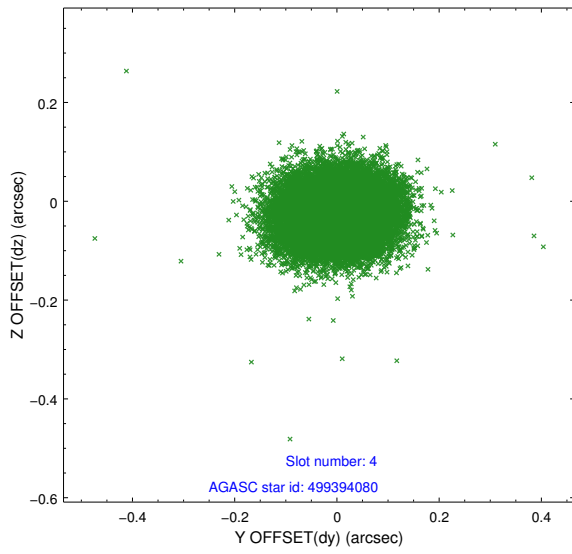
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	10421	0.000	-0.012	0.007	0.011	0.000000	0.000000	-753.75	-1724.29
1	FID	ACIS-S-4	7.21	10419	-0.005	0.003	0.006	0.011	0.000000	0.000000	2159.58	184.11
2	FID	ACIS-S-5	7.24	10422	-0.027	0.018	0.006	0.011	0.000000	0.000000	-1806.56	177.93
3	GUIDE	499396096	6.78	20844	-0.045	0.044	0.062	0.111	142.448890	55.745235	2271.17	-1671.13
4	GUIDE	499394080	9.20	20772	-0.002	-0.025	0.075	0.122	142.457726	55.065928	2175.12	772.51
5	GUIDE	499394360	8.90	20835	0.045	-0.031	0.091	0.151	142.645705	55.925337	1895.24	-2332.42
6	GUIDE	499395448	9.62	20835	0.003	0.013	0.081	0.132	144.035702	55.548496	-979.85	-1103.06
7	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00

2.4 Star Slots

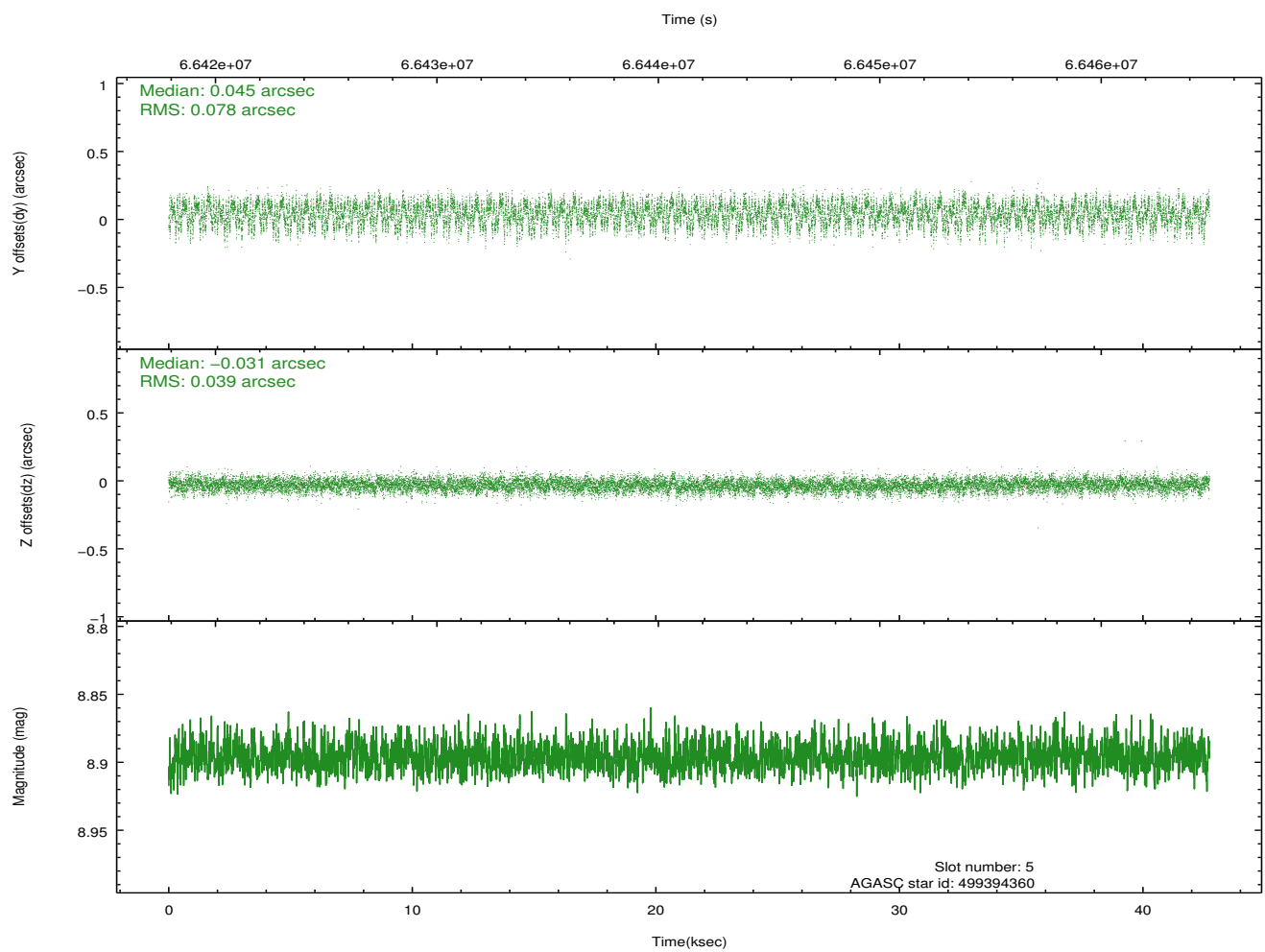
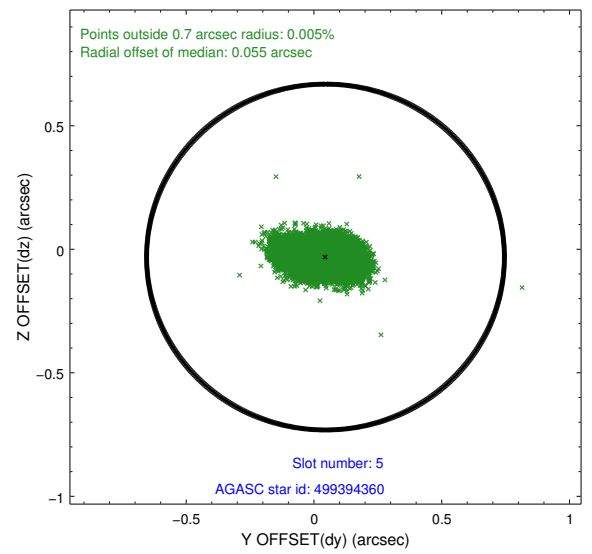
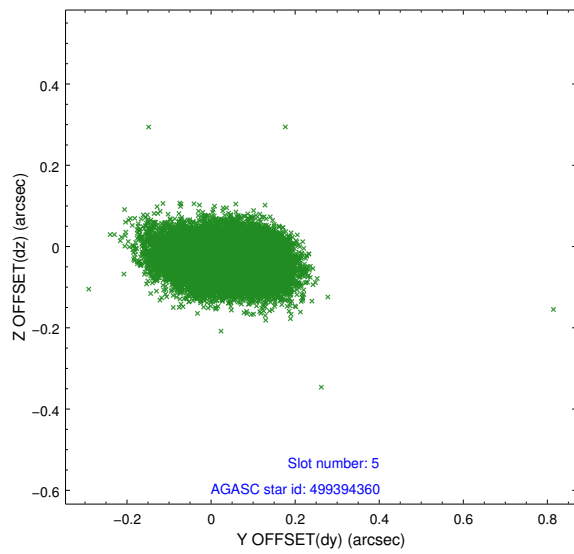
2.4.1 Slot 3



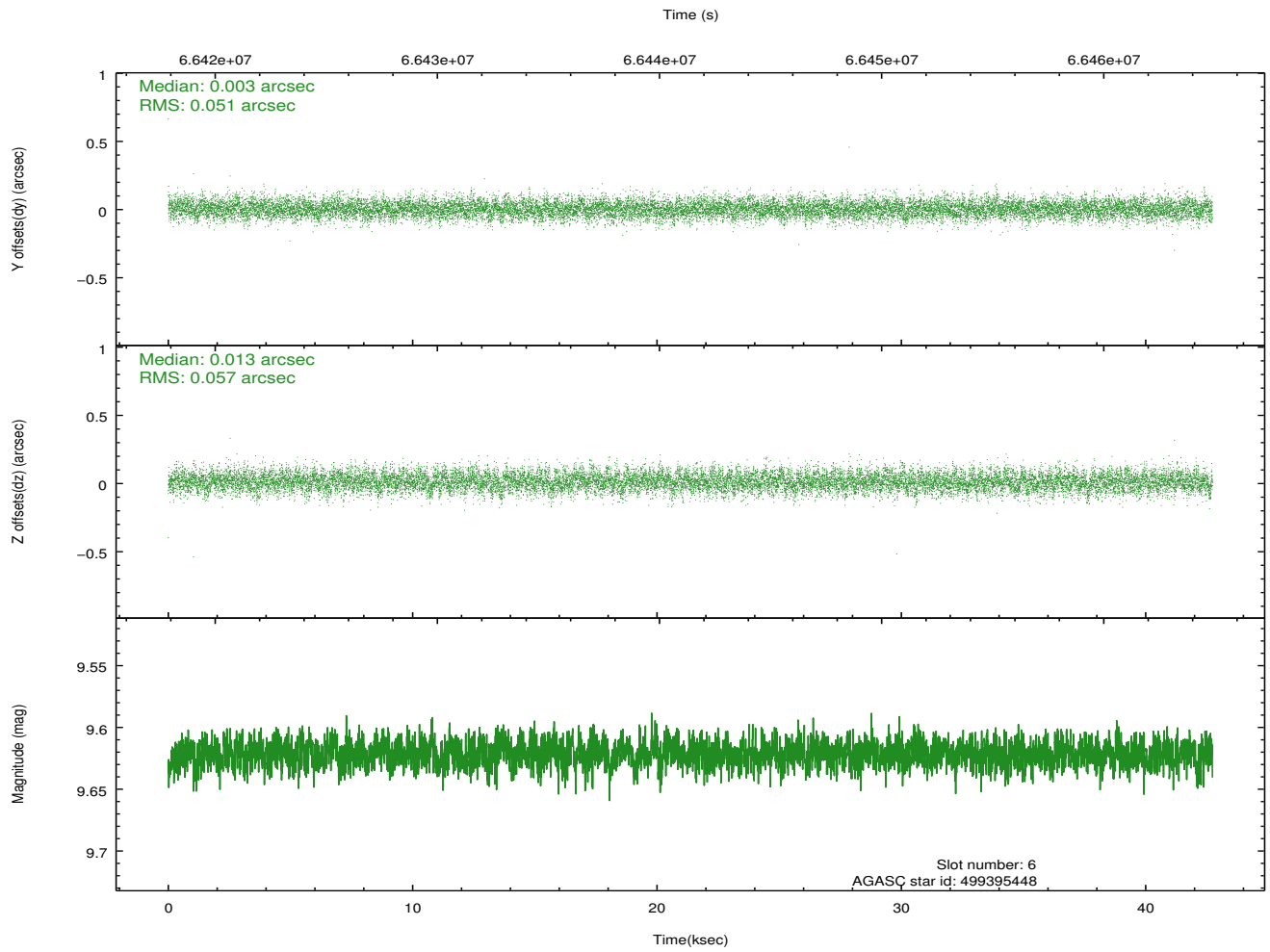
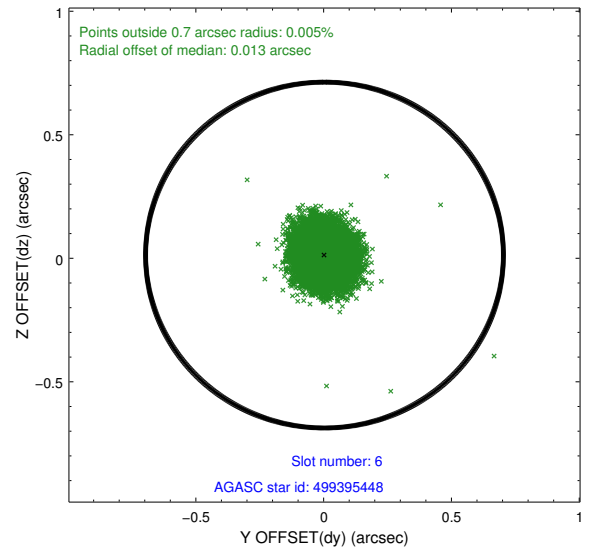
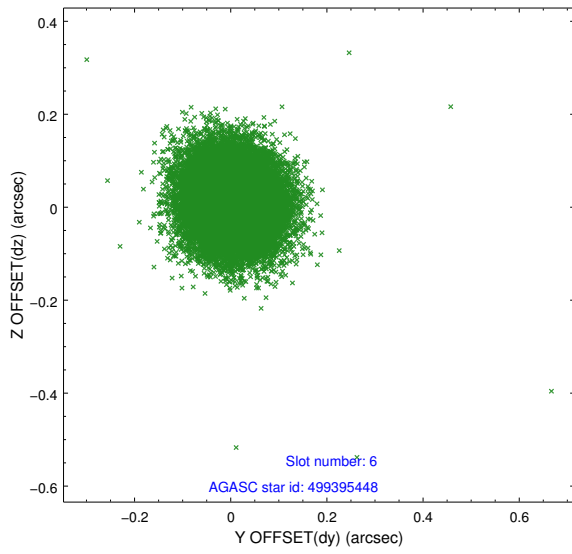
2.4.2 Slot 4



2.4.3 Slot 5

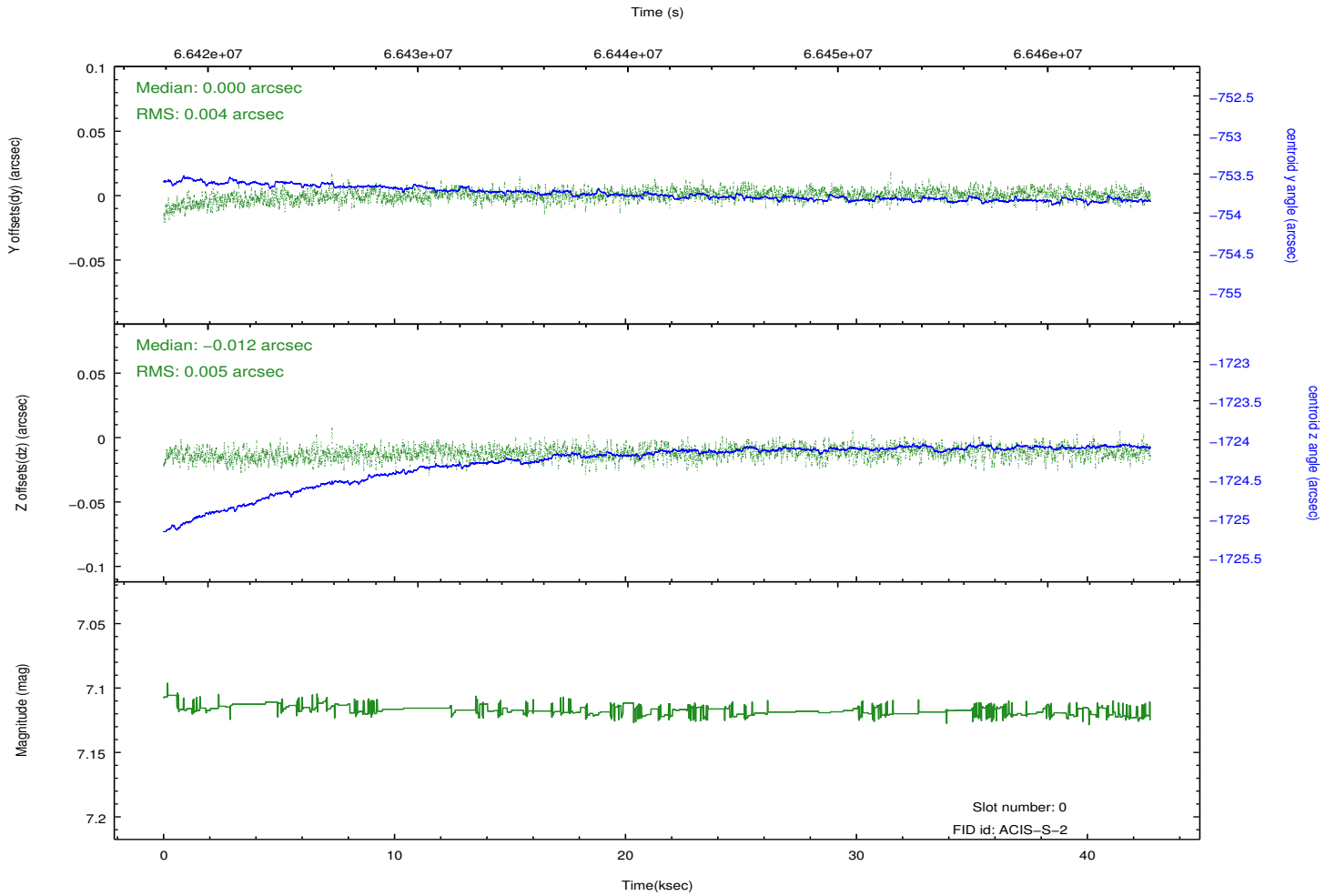
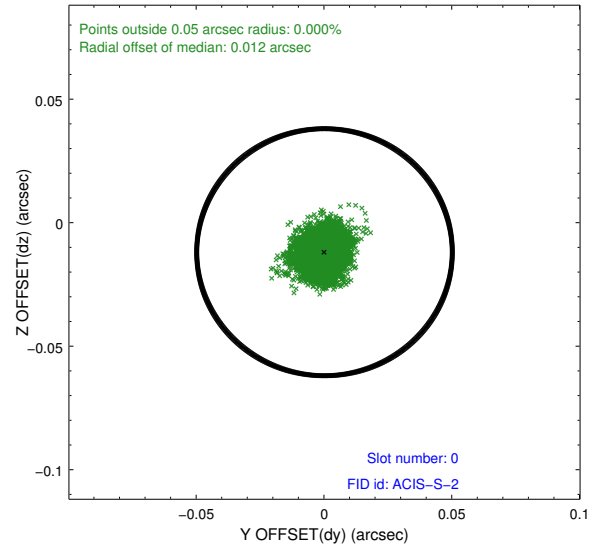
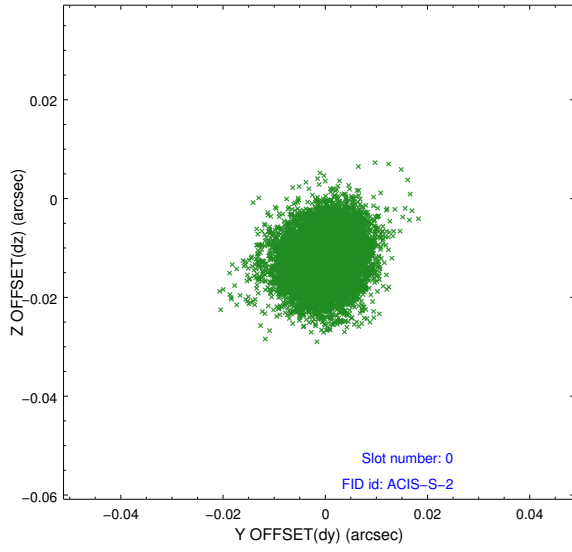


2.4.4 Slot 6

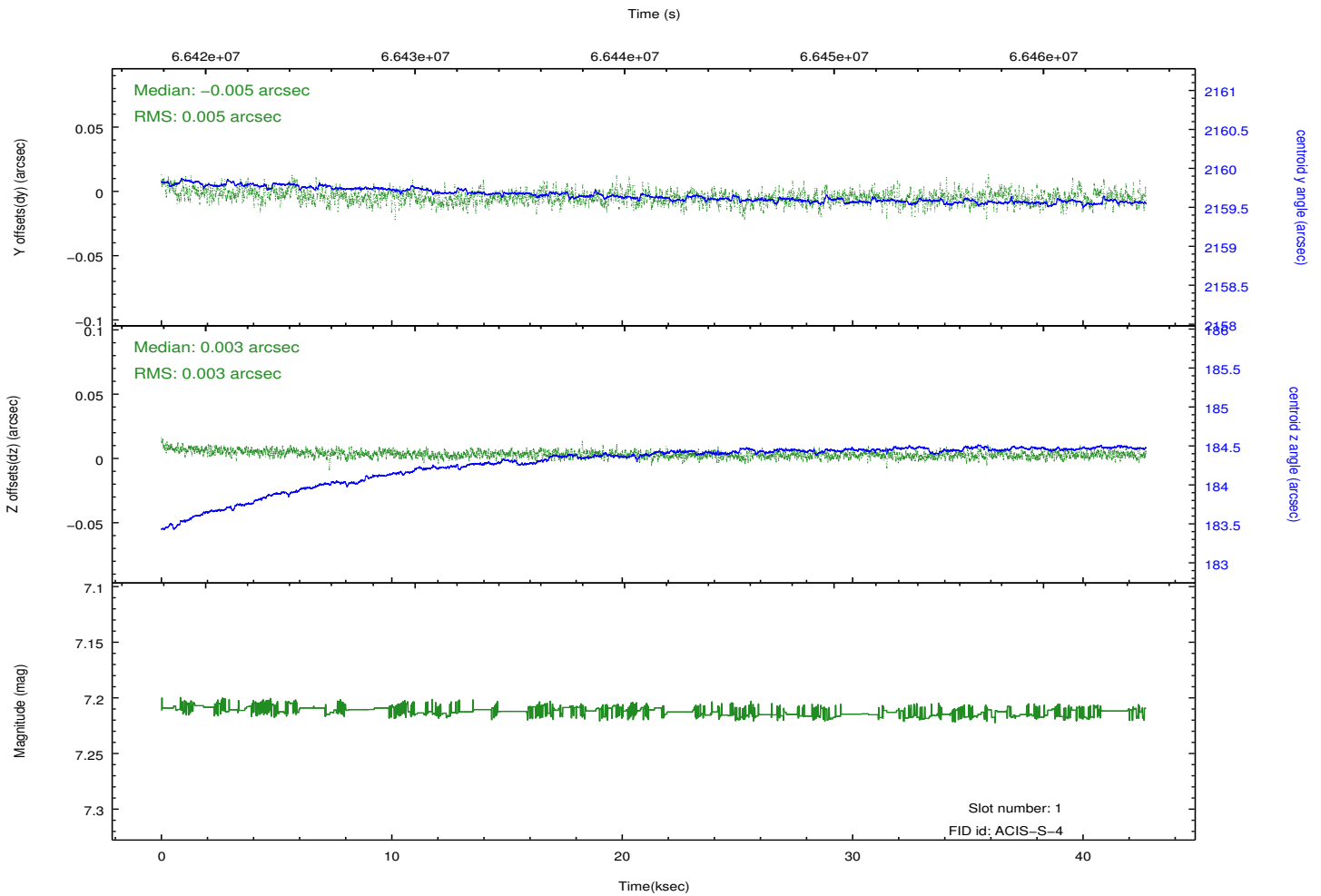
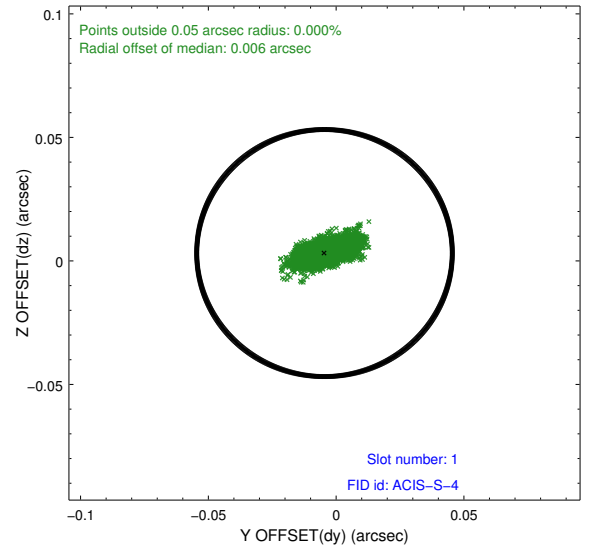
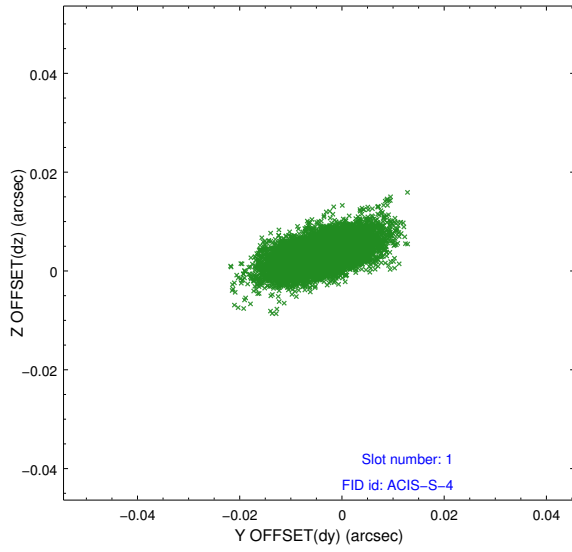


2.5 FID Slots

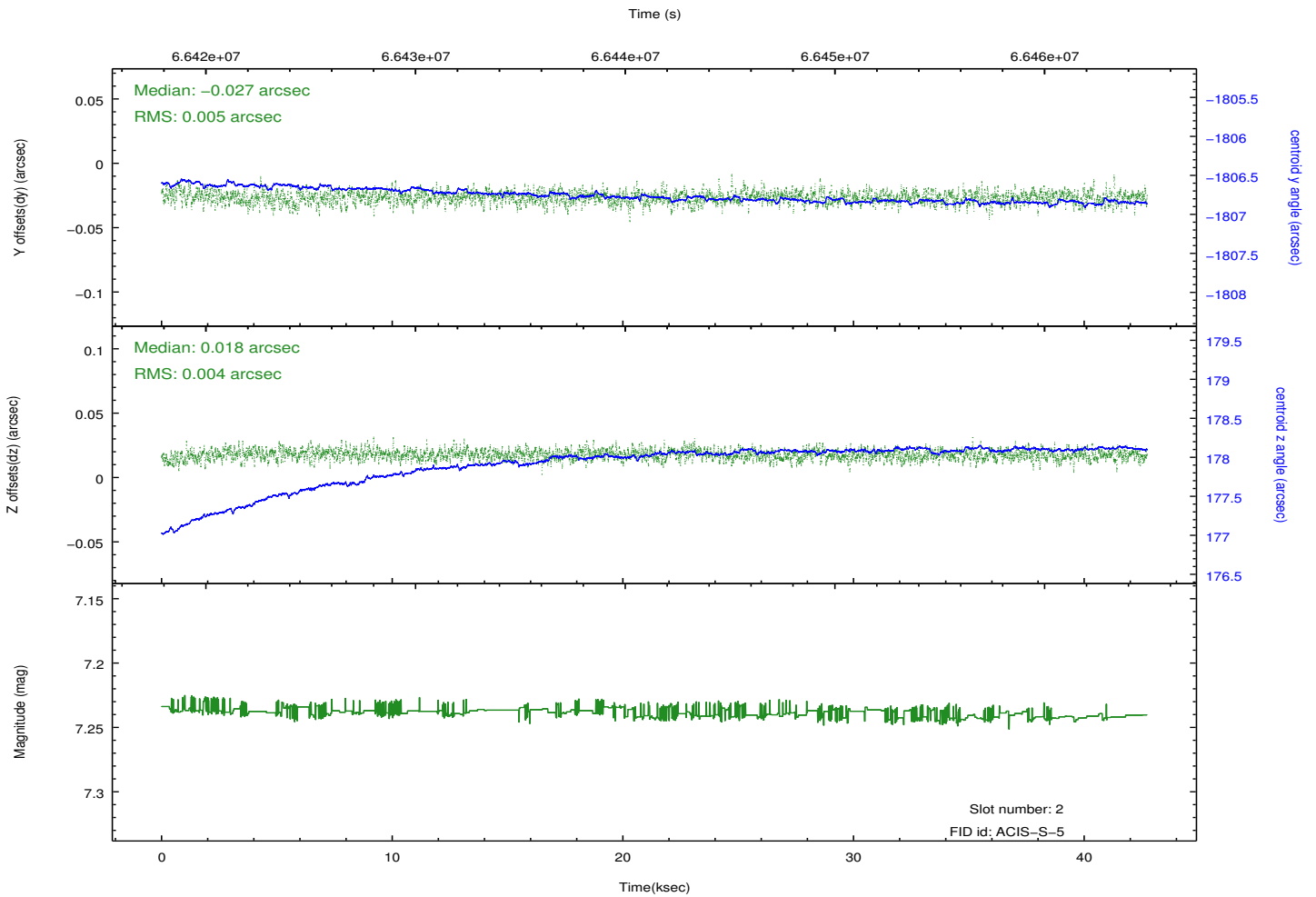
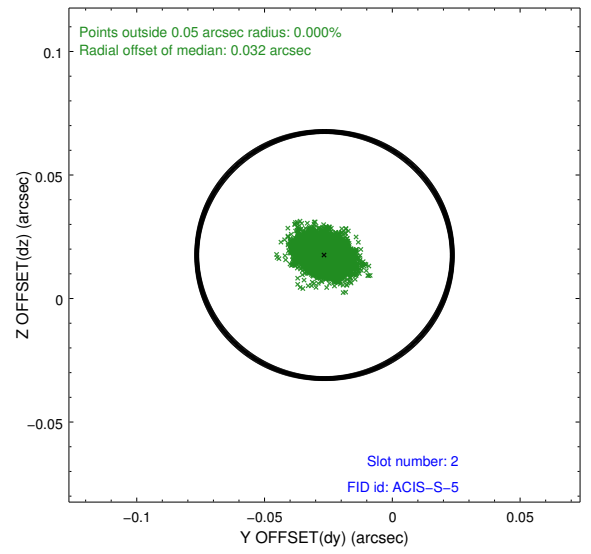
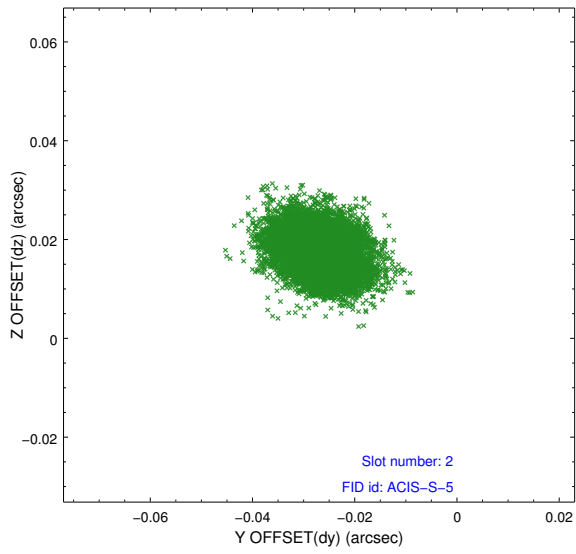
2.5.1 Slot 0



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)	2012.08.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	41.299

A.2 Comments

Window constraint met.