

V&V Reference Report

L2 ASCDS Version : 10.5.2

Observation 19327 - L2 Version 1
Chandra X-Ray Center

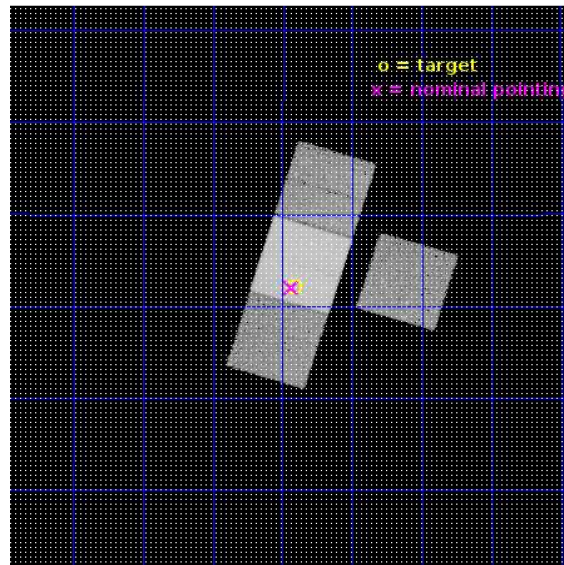
L2 Processing Date : Nov 15 2016

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1 Front

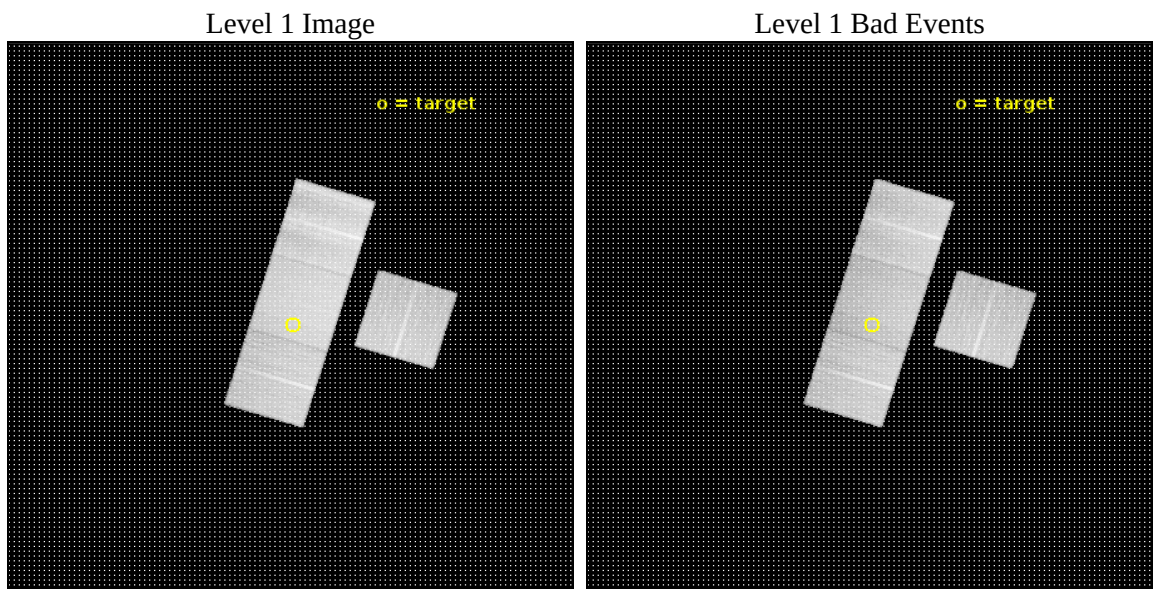
seq_num	601284	Sequence number
obs_id	19327	Observation id
title	Searching for Accreting Black Holes in Lyman Continuum Emitters	Pr
observer	Philip Kaaret	Principal investigator
object	GALEX J010724.7+133209	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.854167	Observer's specified target RA [deg]
dec_targ	13.535833	Observer's specified target Dec [deg]
ra_nom	16.859224295612	Nominal RA [deg]
dec_nom	13.533743249985	Nominal Dec [deg]
roll_nom	287.15545721056	Nominal Roll [deg]
revision	1	Processing version of data
ontime	36068.500277519	Sum of GTIs [s]
livetime	35597.23876815	Livetime [s]
ontime3	36065.359257102	Sum of GTIs [s]
ontime6	36068.500277519	Sum of GTIs [s]
ontime7	36068.500277519	Sum of GTIs [s]
ontime8	36065.359187245	Sum of GTIs [s]
l2events	213279	Number of level 2 events



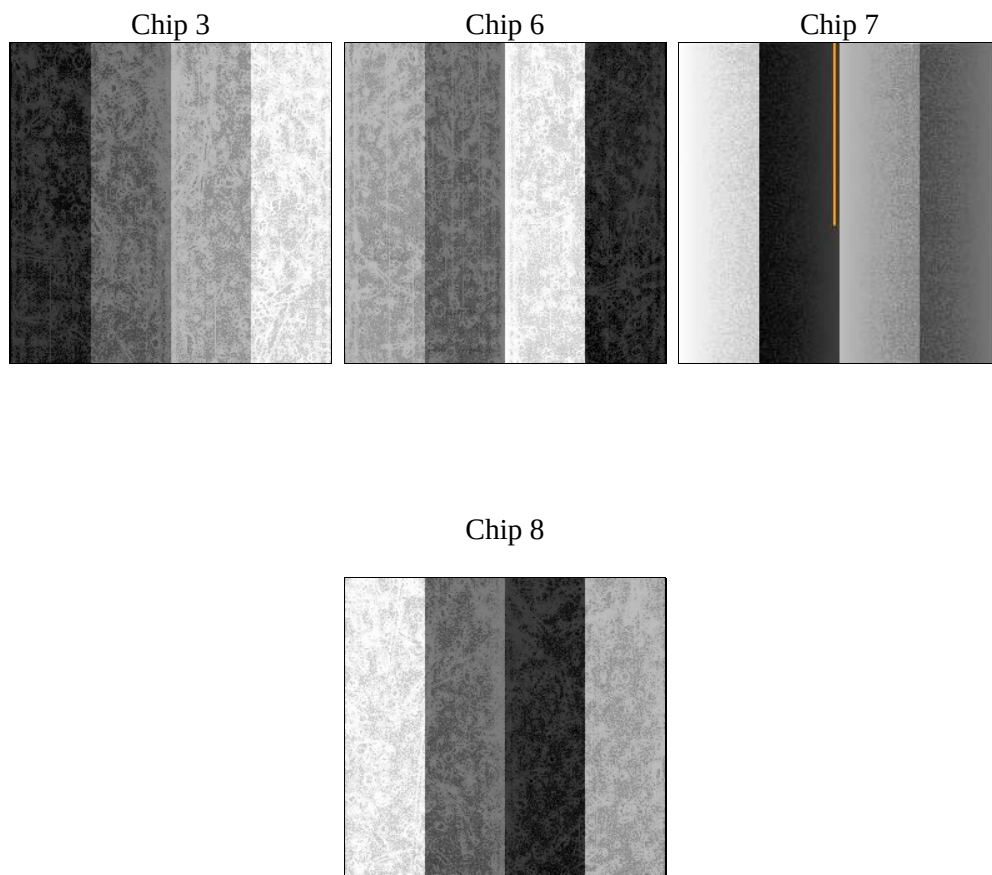
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	36000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.2	Processing system revision	ontime	36068.500277519	Sum of GTIs [s]
caldsver	4.7.2	 	ontime3	36065.359257102	Sum of GTIs [s]
date	2016-11-15T18:07:55	Date and time of file creation	ontime6	36068.500277519	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	36068.500277519	Sum of GTIs [s]
			ontime8	36065.359187245	Sum of GTIs [s]
			l1events	1141781	Number of level 1 events

2.1.4 Events

	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	238214	253263	320409	329895
rejected events	212268	224995	179864	242140
rejected %	89%	88%	56%	73%

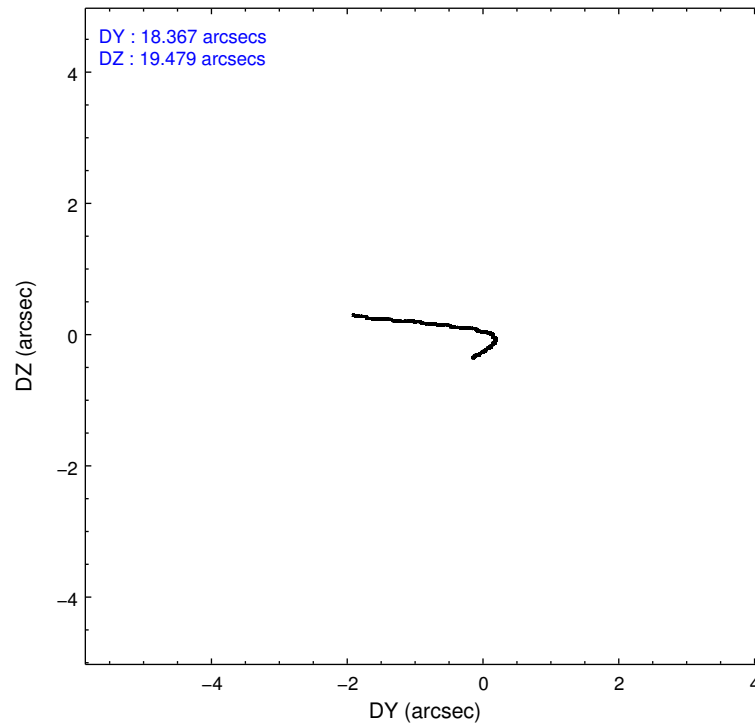
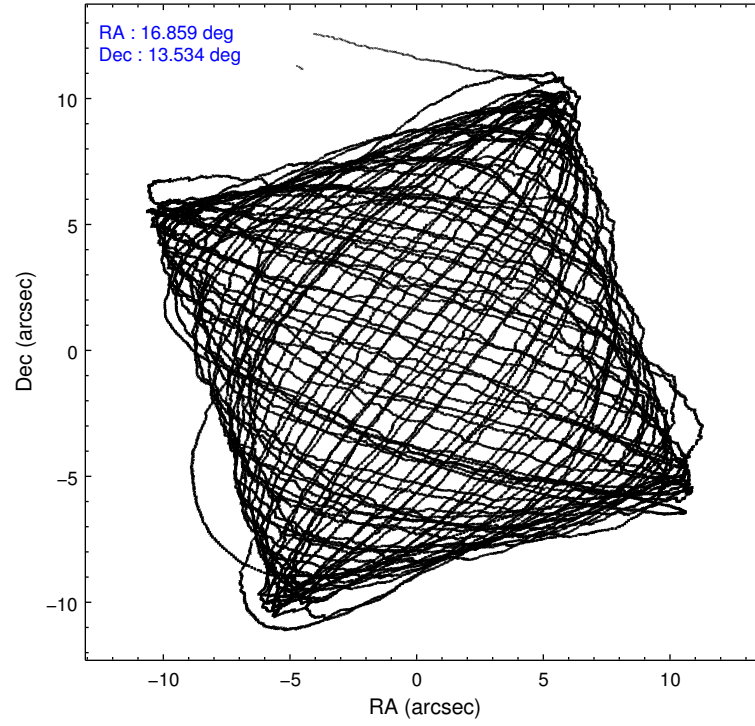
	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	9191	9247	12131	24684
	3%	3%	3%	7%
grade 1 events	139	110	398	229
	0%	0%	0%	0%
grade 2 events	5715	6610	29869	21628
	2%	2%	9%	6%
grade 3 events	2741	2867	11447	9211
	1%	1%	3%	2%
grade 4 events	2726	2768	11461	8509
	1%	1%	3%	2%
grade 5 events	11583	11619	31878	17769
	4%	4%	9%	5%
grade 6 events	5580	6780	75668	23743
	2%	2%	23%	7%
grade 7 events	200539	213262	147557	224122
	84%	84%	46%	67%

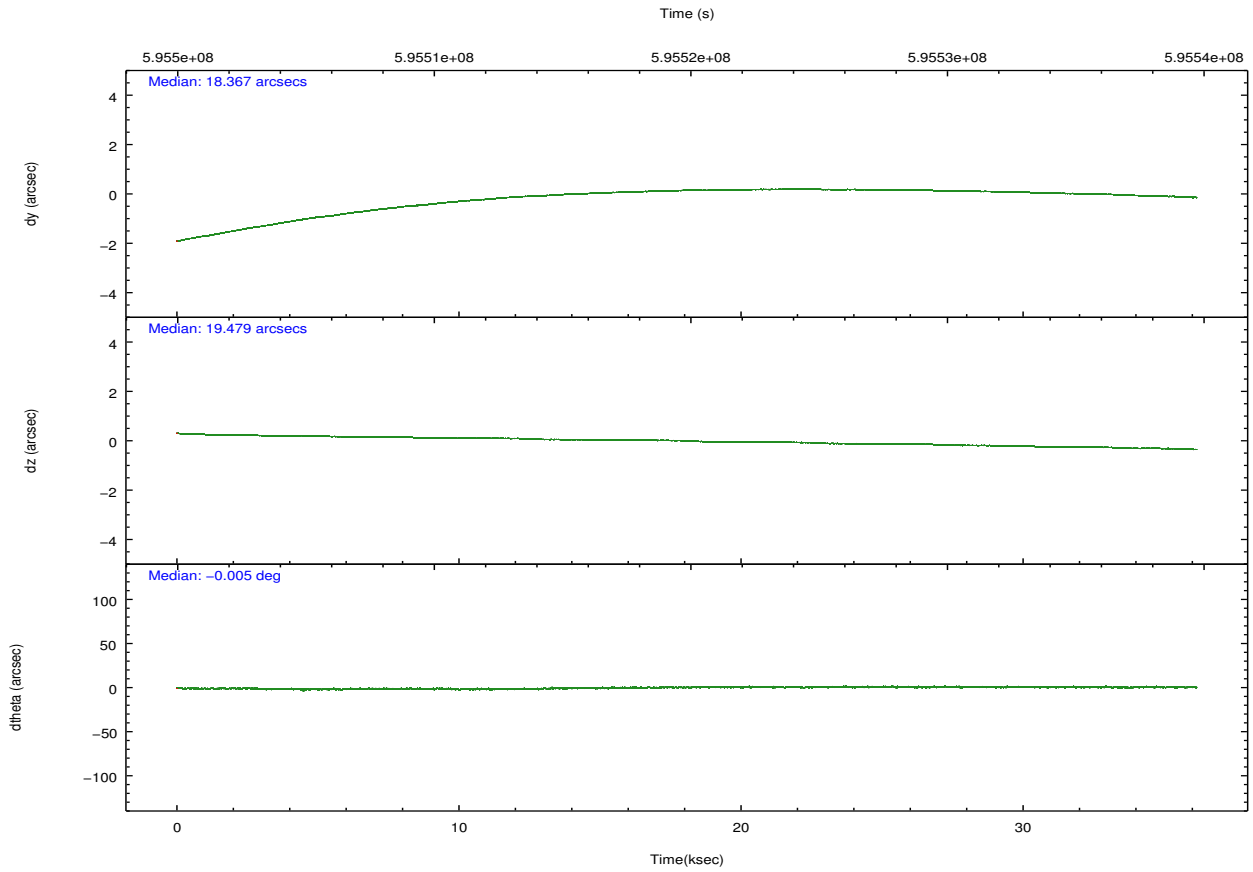
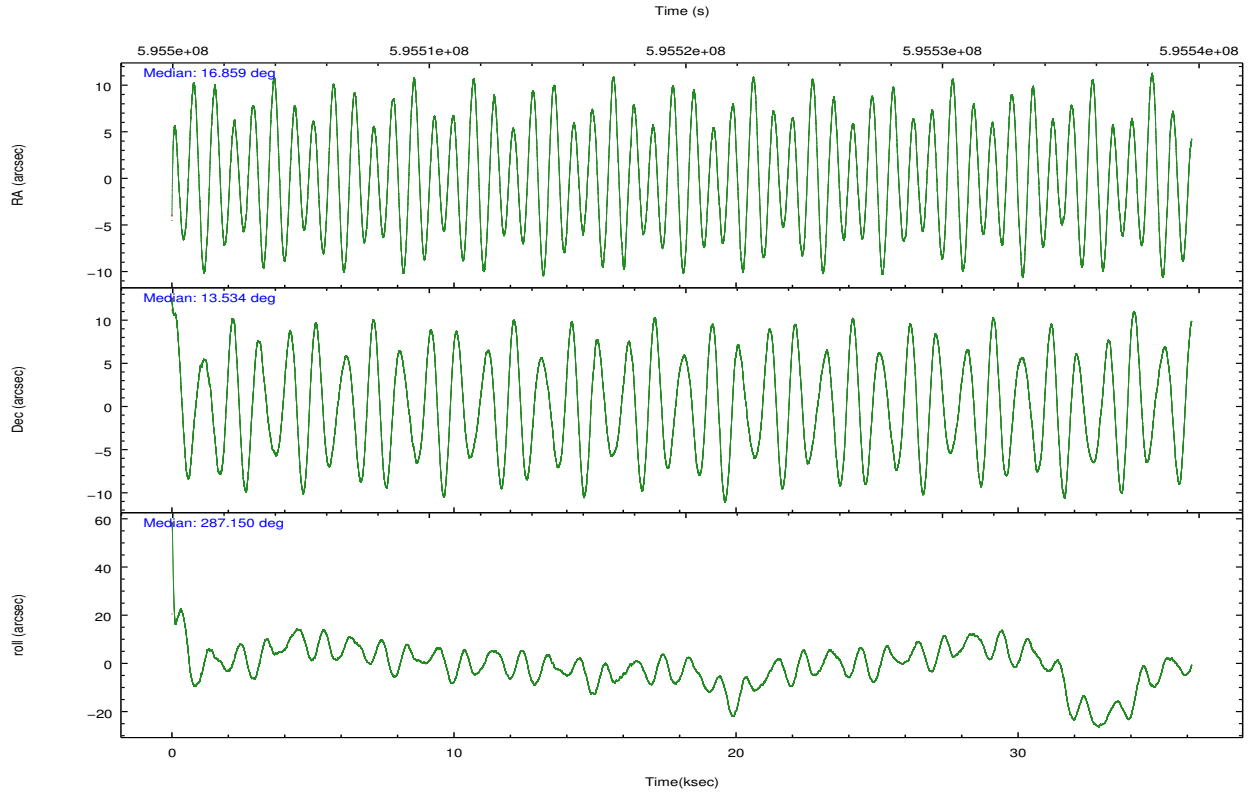
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-3678	ACIS-3678
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	16.838272	16.85922429561214
[deg] Pointing Dec	13.552124	13.53374324998539
[deg] Pointing Roll	287.003723	287.1554572105618
[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)	595501935.184000	595500549.2255599
Observation start date	2016-11-14T09:11:07	2016-11-14T08:49:09
[s] Observation end time (MET)	595537935.184000	595538736.11526
Observation end date	2016-11-14T19:11:07	2016-11-14T19:25:36
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	N	N
CCD I1 on	N	N
CCD I2 on	O1	N
CCD I3 on	Y	Y
CCD S0 on	N	N
CCD S1 on	N	N
CCD S2 on	Y	Y
CCD S3 on	Y	Y
CCD S4 on	Y	Y
CCD S5 on	N	N
Number of optional ACIS chips dropped	1	1
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



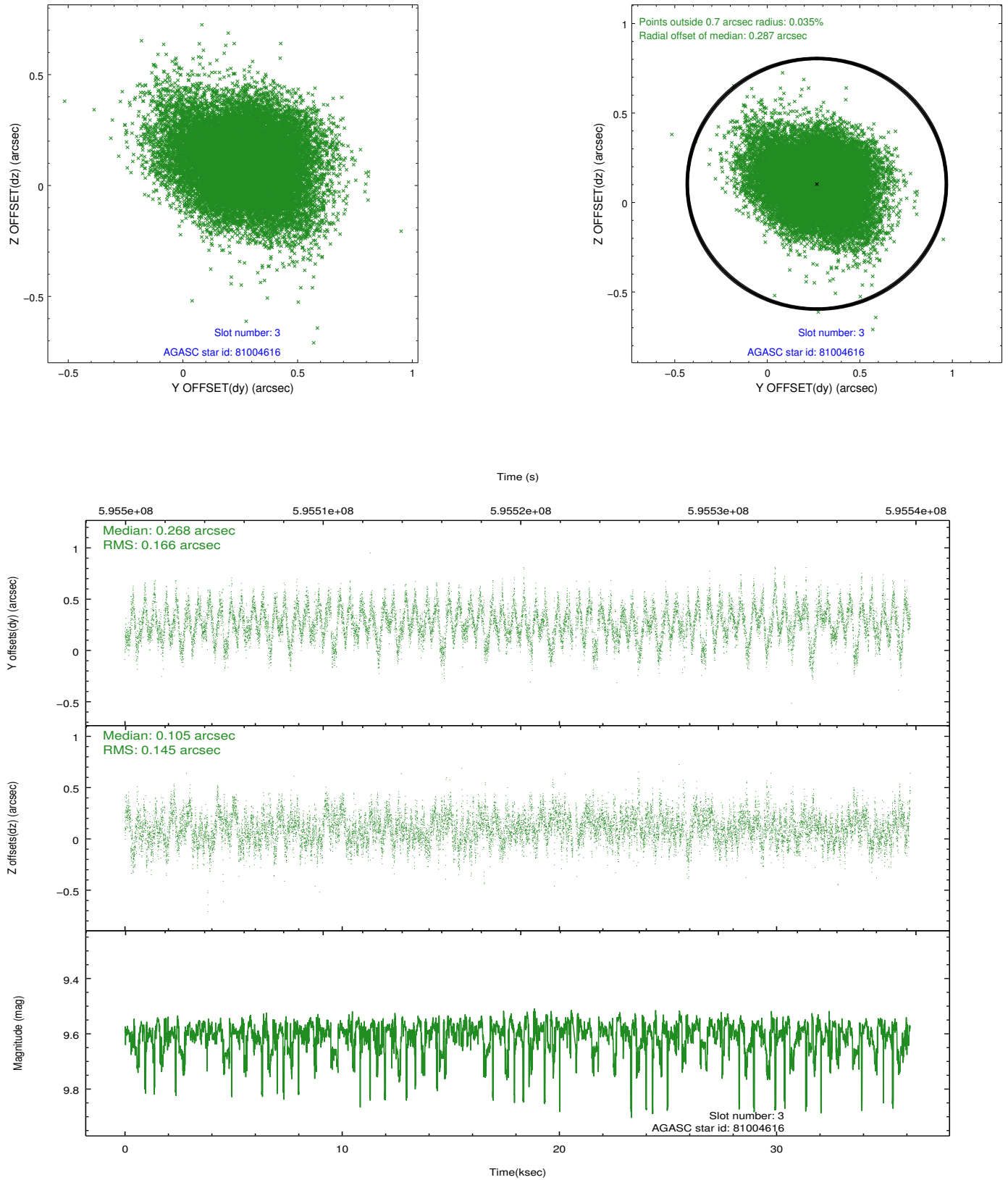


Slot Statistics

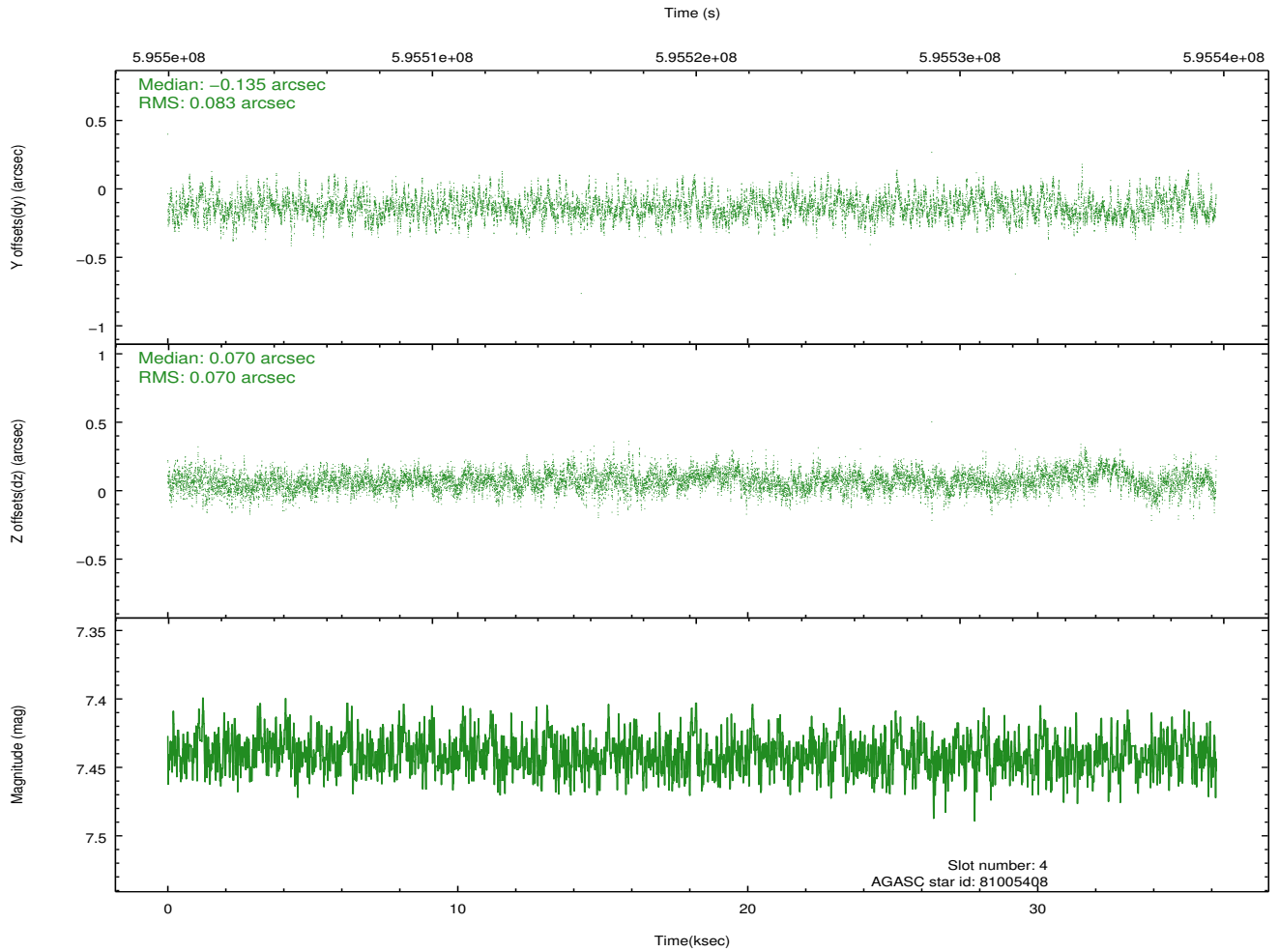
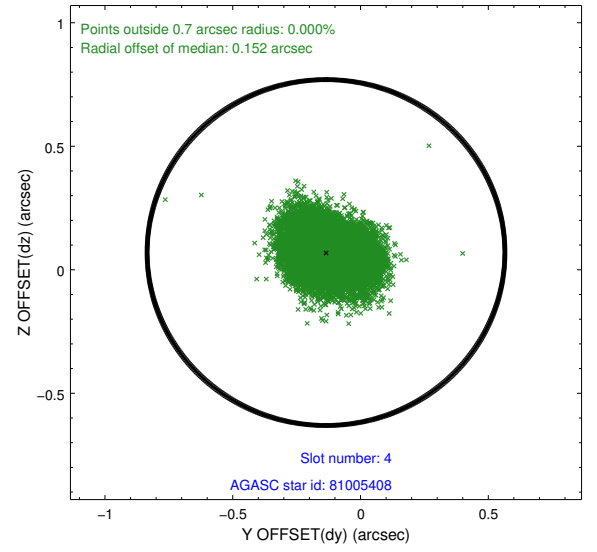
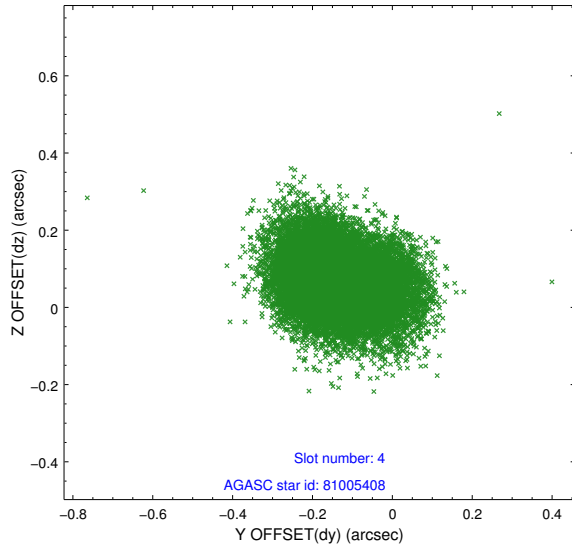
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.04	8819	-0.201	-0.115	0.019	0.034	0.000000	0.000000	-771.35	-1741.03
1	FID		ACIS-S-4	7.14	8818	0.490	0.129	0.018	0.069	0.000000	0.000000	2142.56	167.70
2	FID		ACIS-S-5	7.13	8818	-0.315	-0.006	0.021	0.051	0.000000	0.000000	-1824.29	161.22
3	GUIDE	used	81004616	9.60	17382	0.268	0.105	0.235	0.380	16.727653	13.590154	-242.88	-330.70
4	GUIDE	used	81005408	7.44	17632	-0.135	0.070	0.115	0.190	16.652176	13.884607	-1333.83	-270.96
5	GUIDE	used	81006216	9.54	17619	-0.075	-0.167	0.187	0.314	16.941956	13.675787	-319.51	476.31
6	GUIDE	used	81007920	8.20	17625	-0.009	-0.047	0.112	0.185	16.552631	13.252748	739.01	-1269.24
7	GUIDE	used	81009232	8.65	17624	-0.053	0.041	0.121	0.198	17.046481	13.691825	-267.93	843.85

2.4 Star Slots

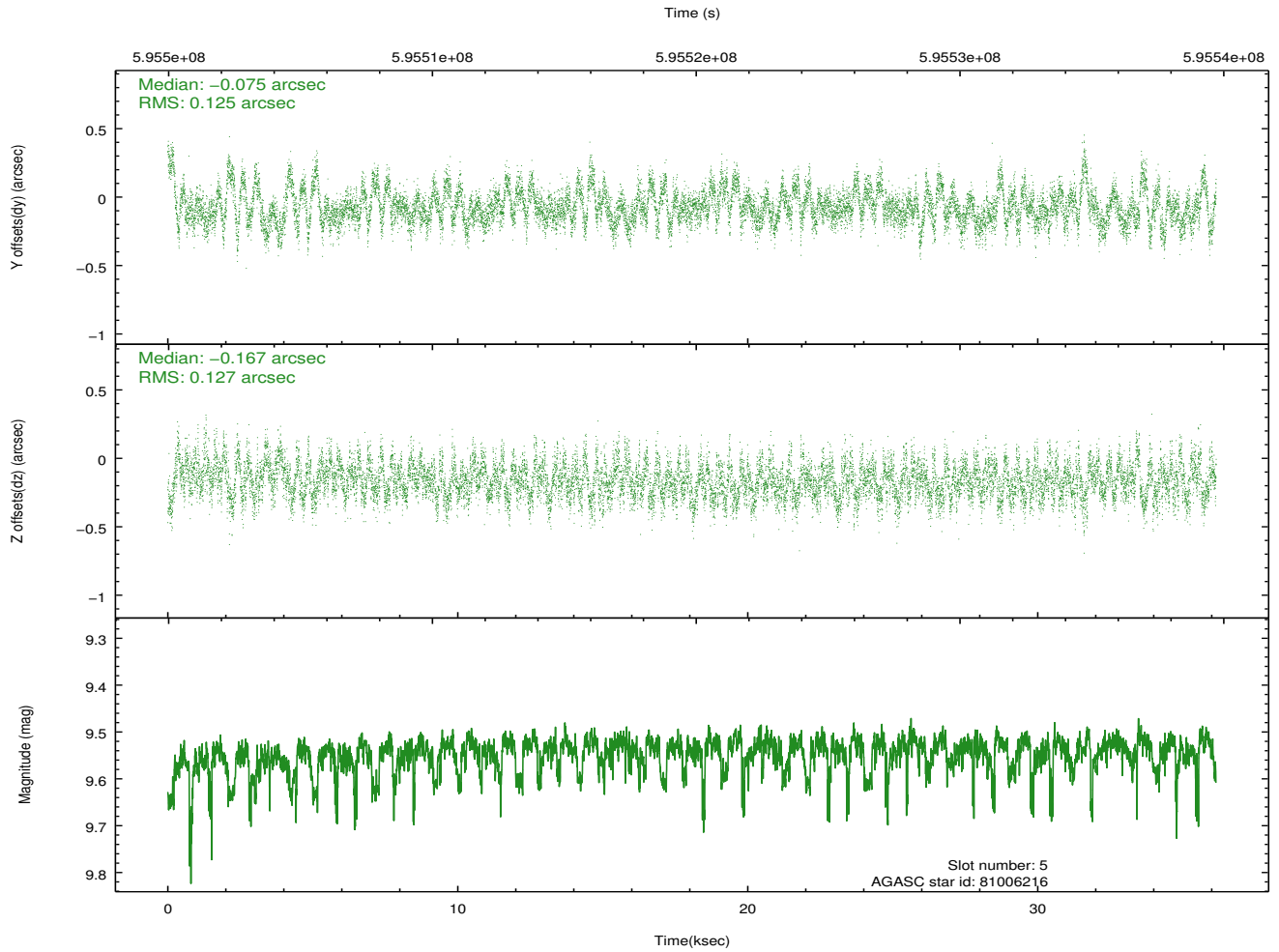
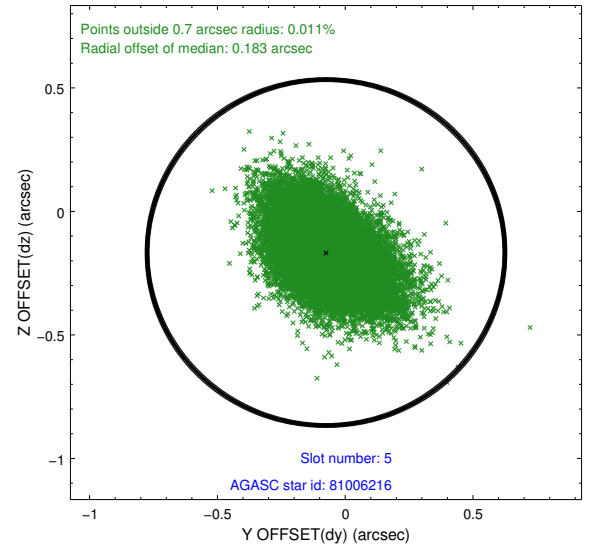
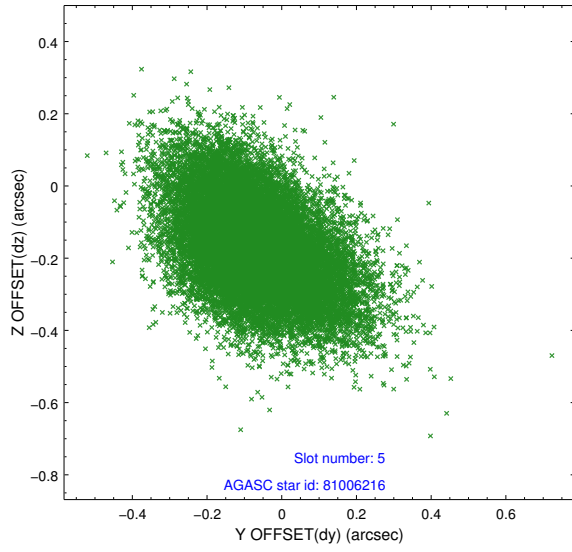
2.4.1 Slot 3



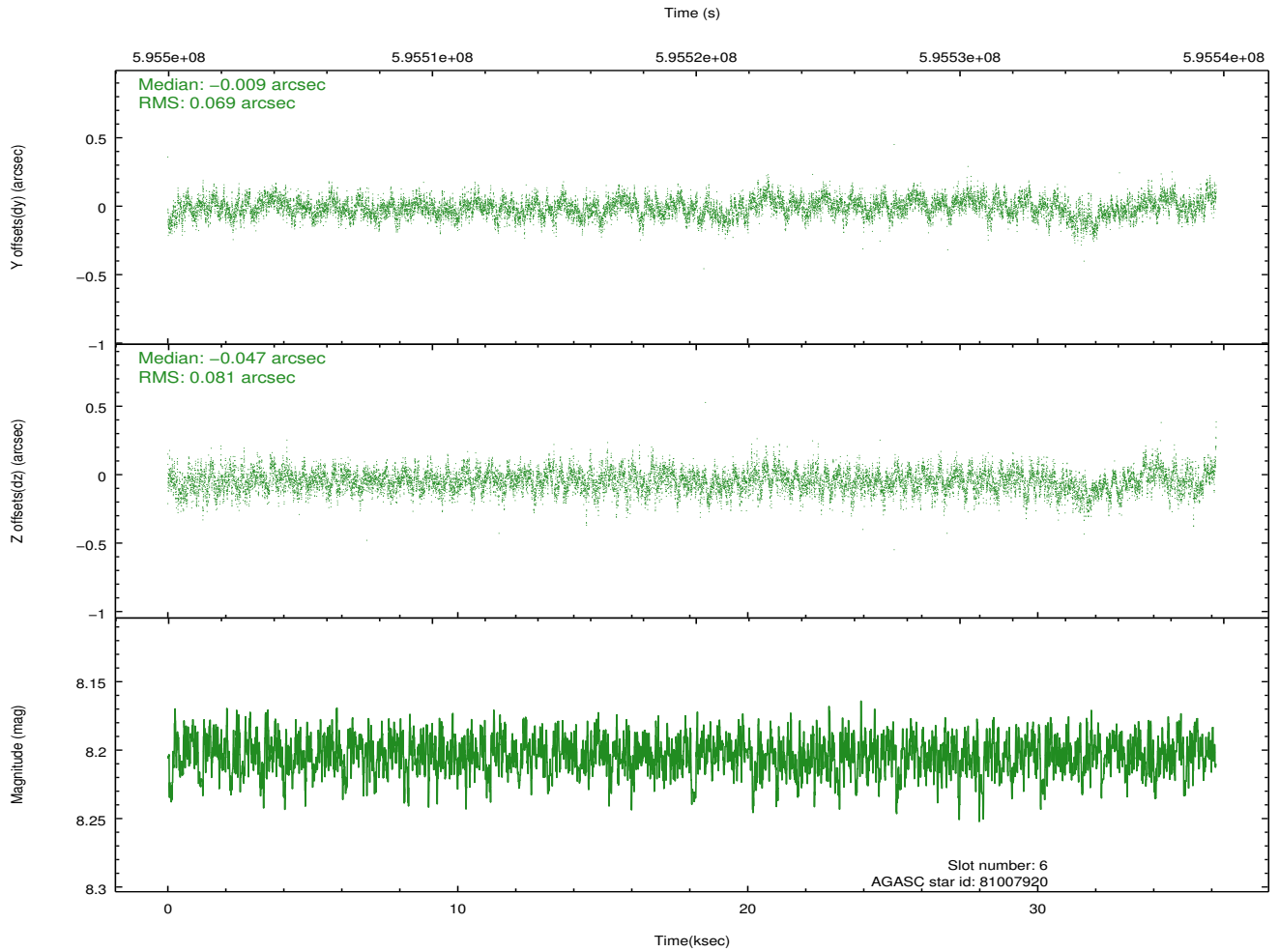
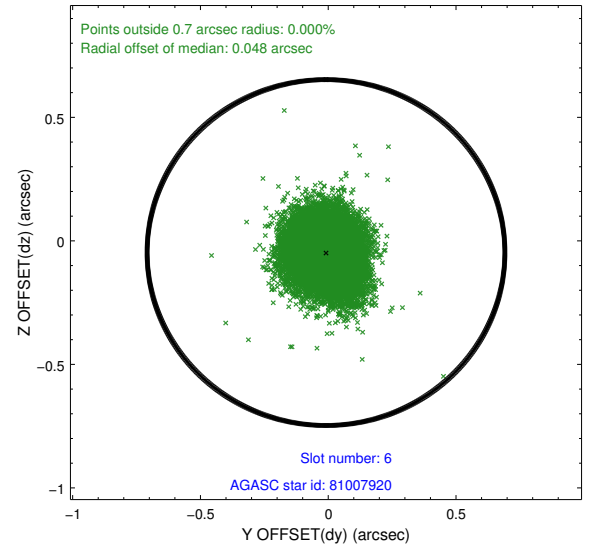
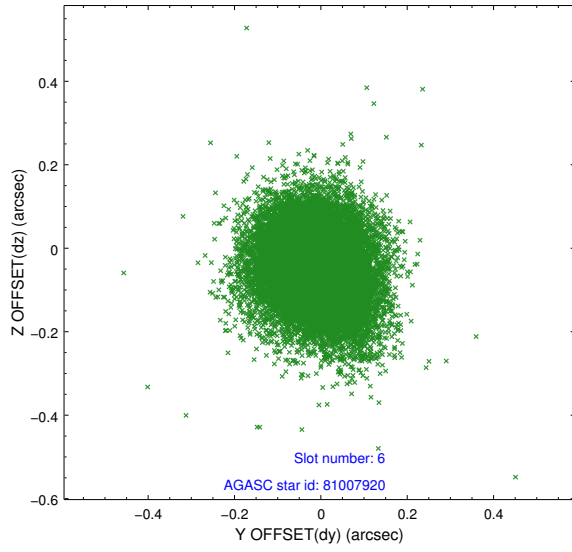
2.4.2 Slot 4



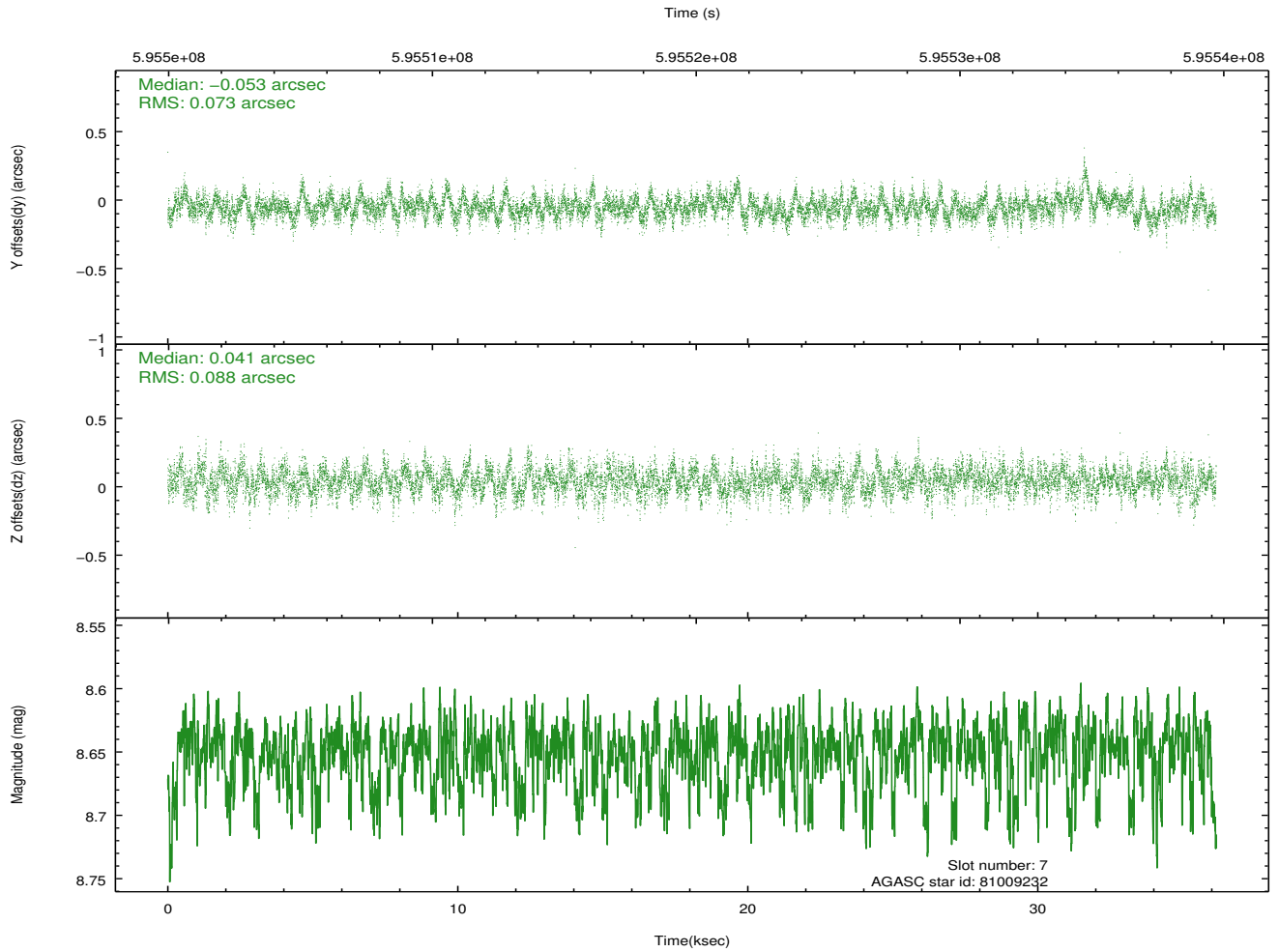
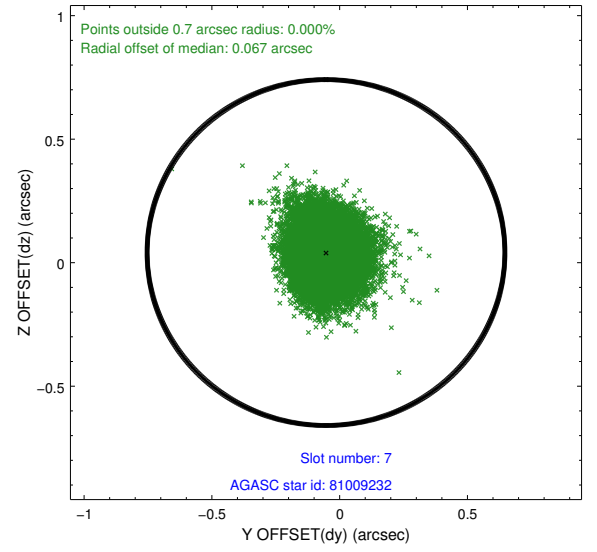
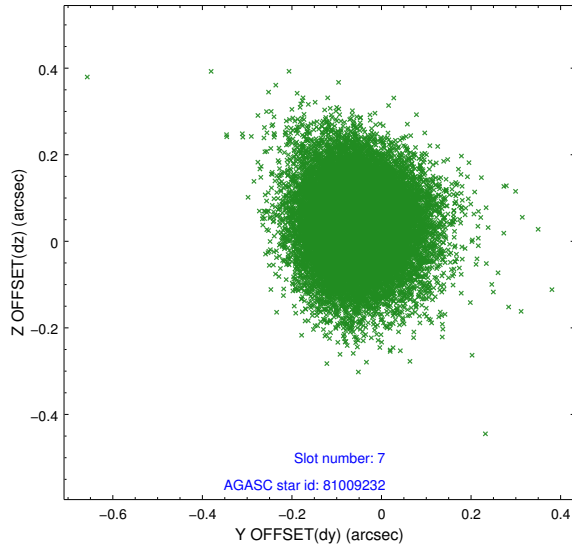
2.4.3 Slot 5



2.4.4 Slot 6

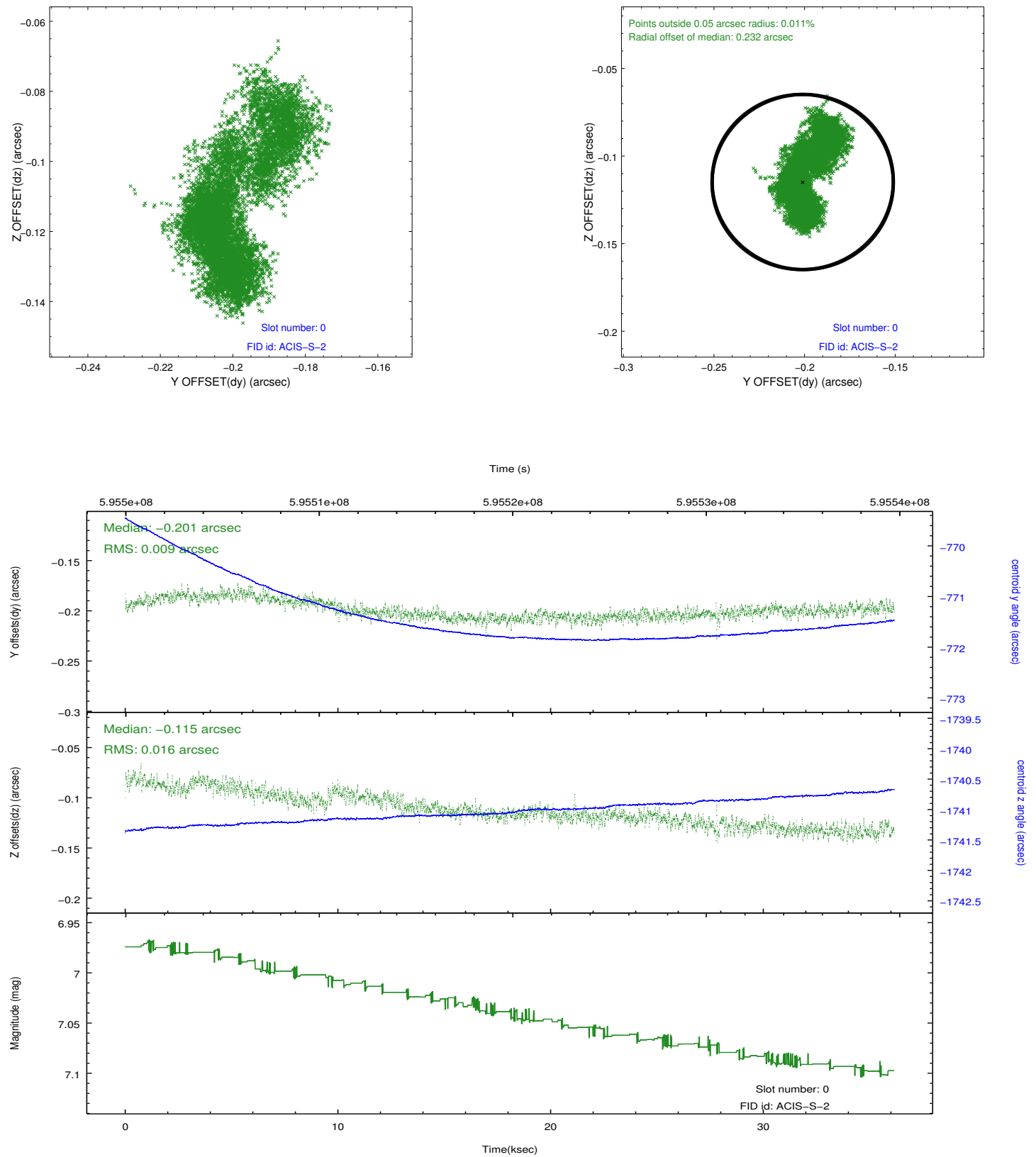


2.4.5 Slot 7

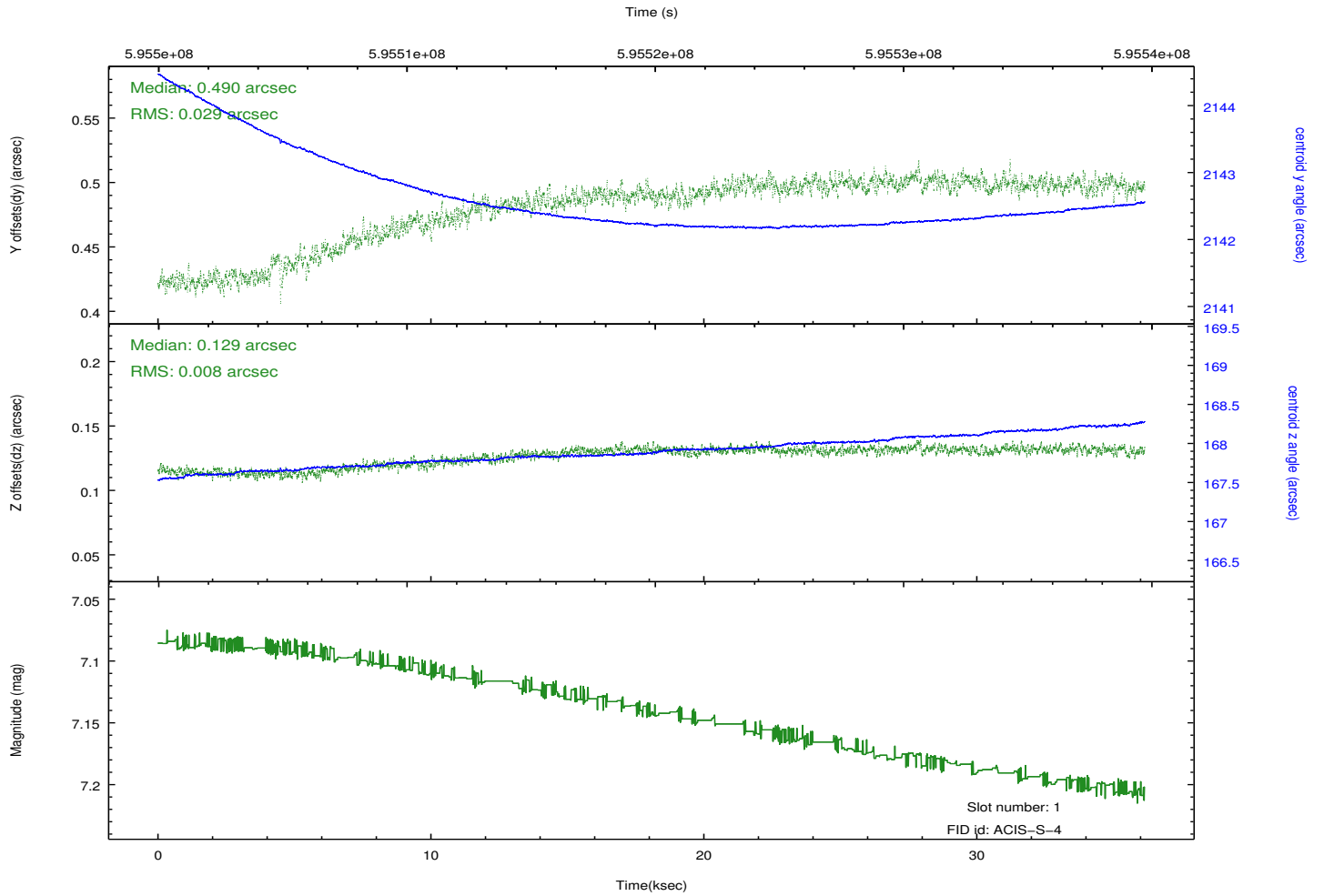
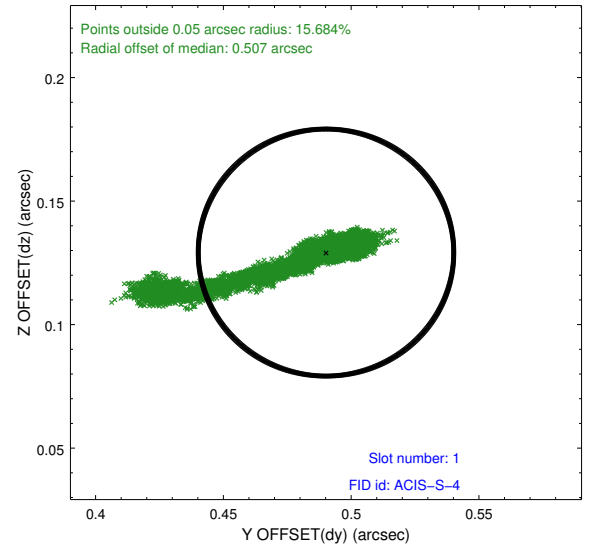
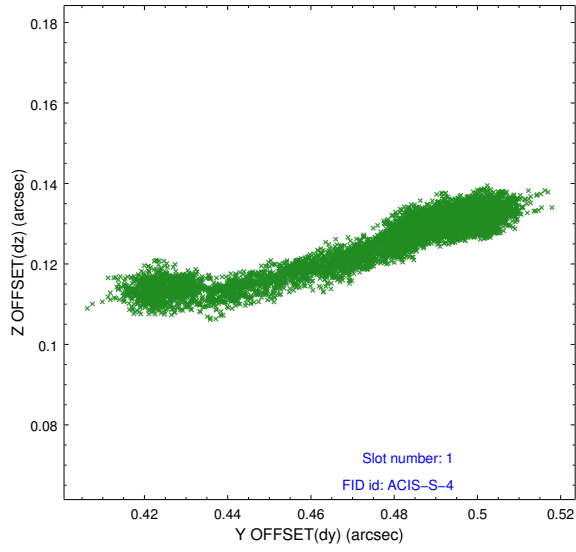


2.5 FID Slots

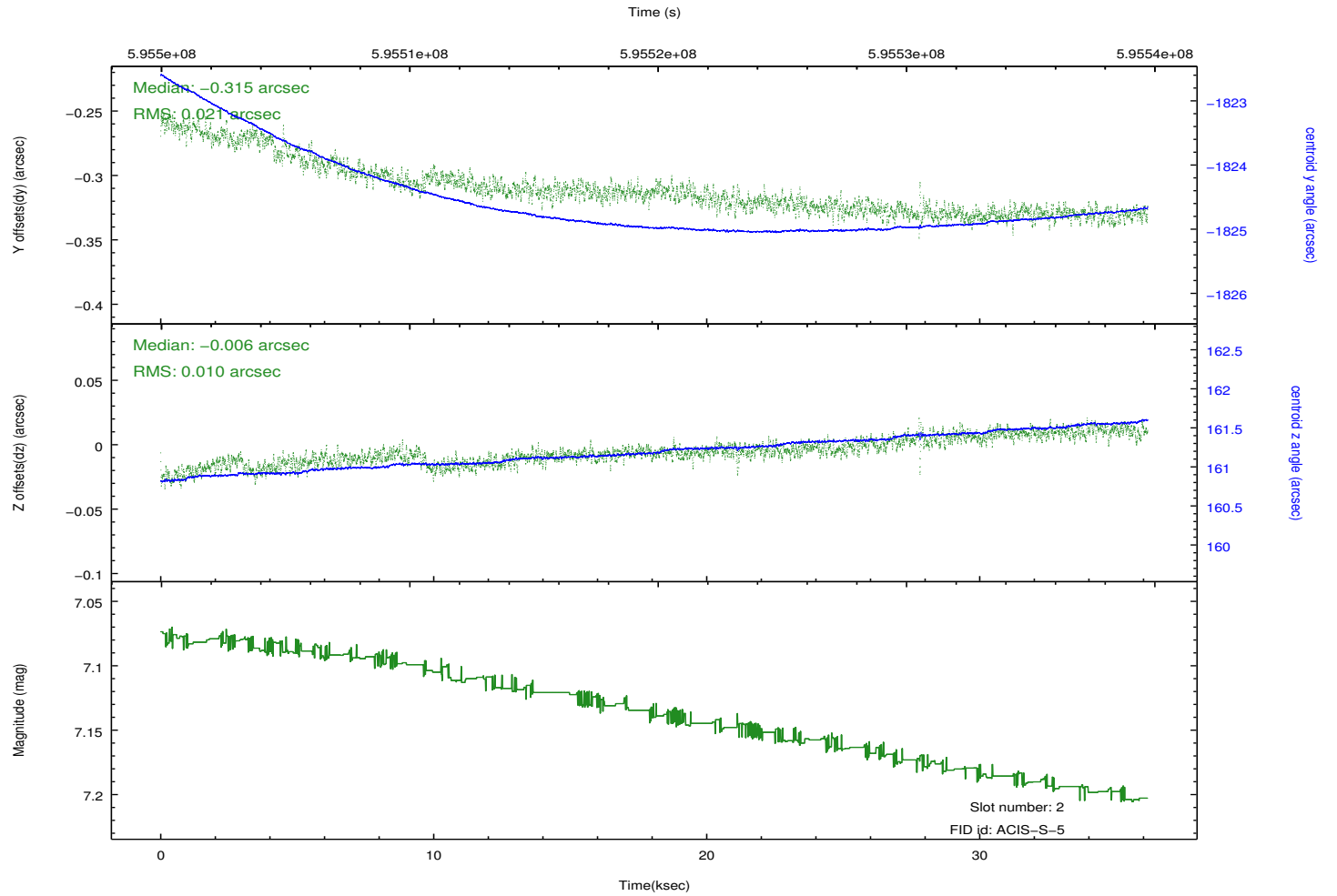
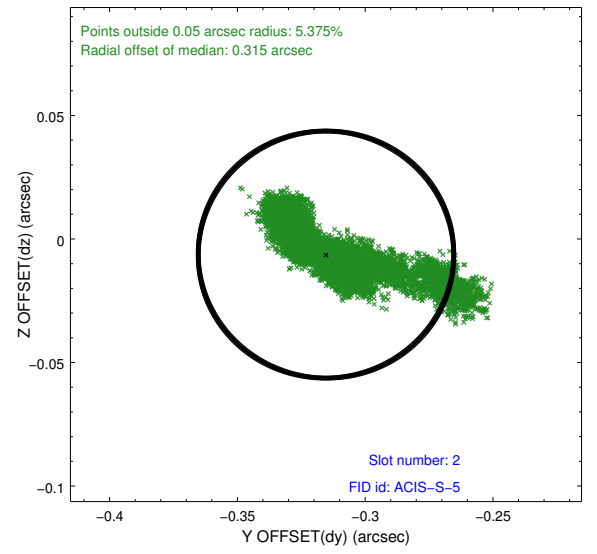
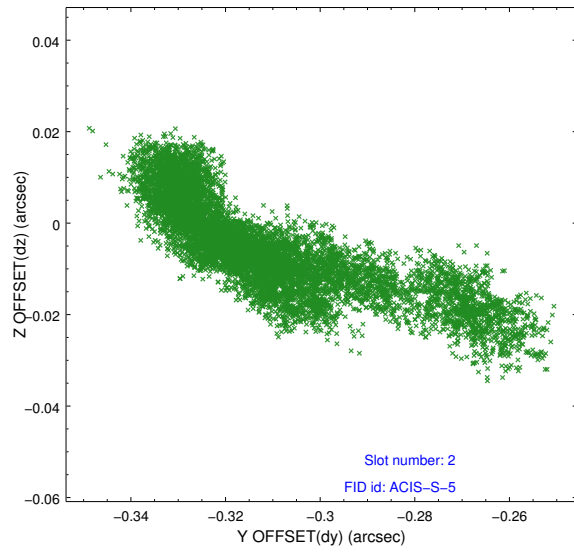
2.5.1 Slot 0



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)	2016.11.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	36.068500277519

A.2 Comments

Optional chip I2 was dropped.