

V&V Reference Report

L2 ASCDS Version : 10.7

Observation 21186 - L2 Version 1
Chandra X-Ray Center

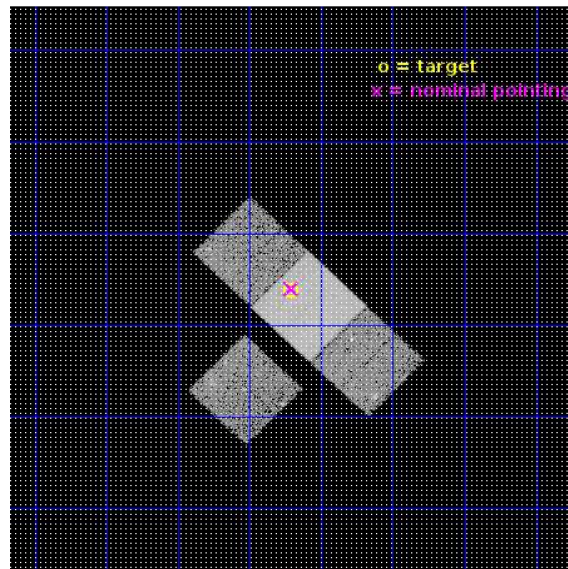
L2 Processing Date : Nov 28 2018

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1 Front

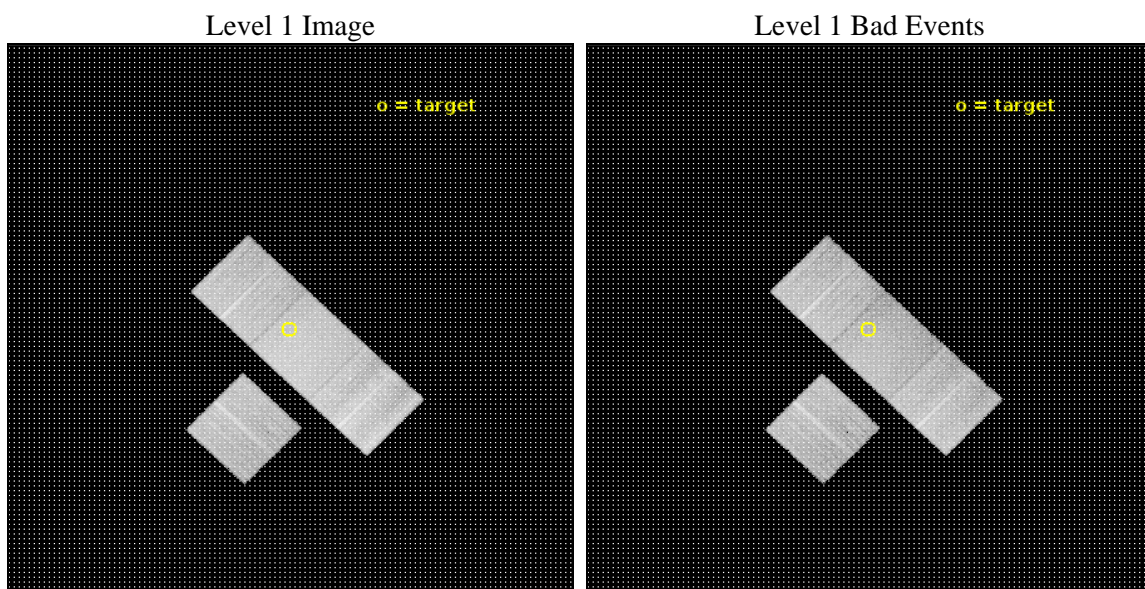
seq_num	201240	Sequence number
obs_id	21186	Observation id
title	Does accretion effect the X-ray emission of Herbig stars?	Proposal
observer	Christian Schneider	Principal investigator
object	V346 Ori	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	81.178333	Observer's specified target RA [deg]
dec_targ	1.730083	Observer's specified target Dec [deg]
ra_nom	81.177079634699	Nominal RA [deg]
dec_nom	1.7334633183007	Nominal Dec [deg]
roll_nom	44.156684512033	Nominal Roll [deg]
revision	1	Processing version of data
ontime	15064.908638835	Sum of GTIs [s]
livetime	14868.074516844	Livetime [s]
ontime3	15064.826558828	Sum of GTIs [s]
ontime6	15064.867598891	Sum of GTIs [s]
ontime7	15064.908638835	Sum of GTIs [s]
ontime8	15064.785518885	Sum of GTIs [s]
l2events	99103	Number of level 2 events



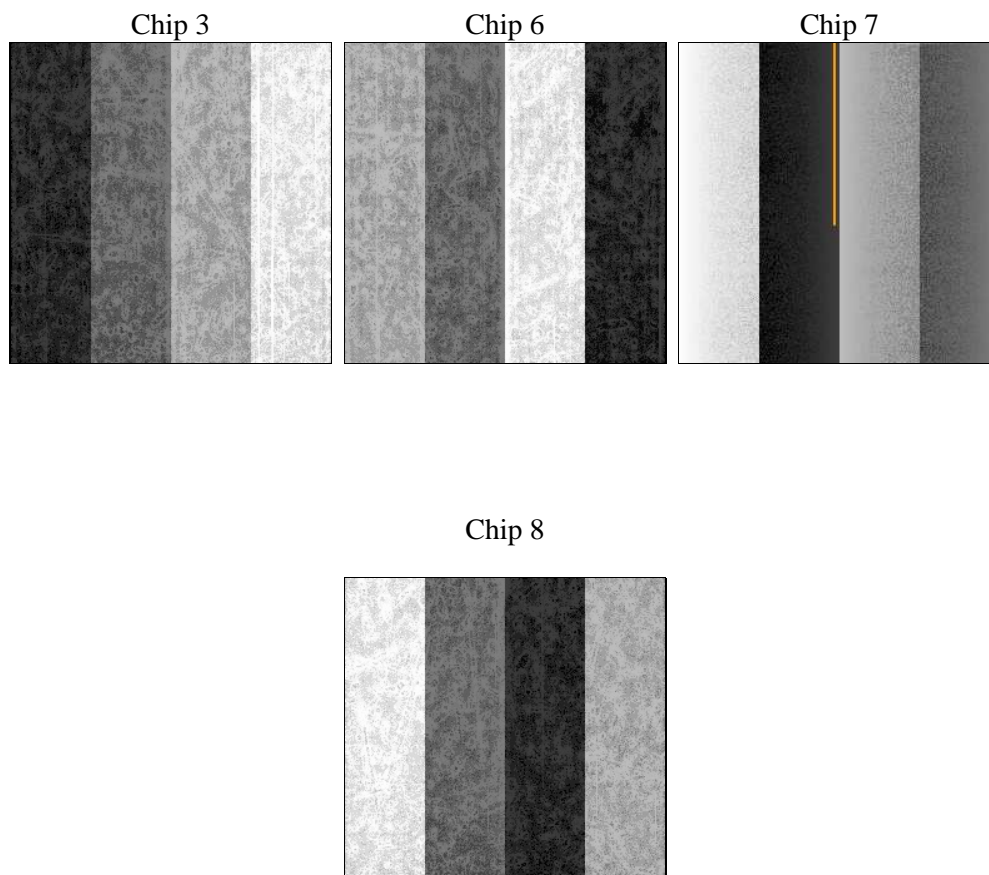
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	10.7	Processing system revision	ontime	15064.908638835	Sum of GTIs [s]
caldsver	4.8.0.1	 	ontime3	15064.826558828	Sum of GTIs [s]
date	2018-11-28T22:21:25	Date and time of file creation	ontime6	15064.867598891	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	15064.908638835	Sum of GTIs [s]
			ontime8	15064.785518885	Sum of GTIs [s]
			l1events	531407	Number of level 1 events

2.1.4 Events

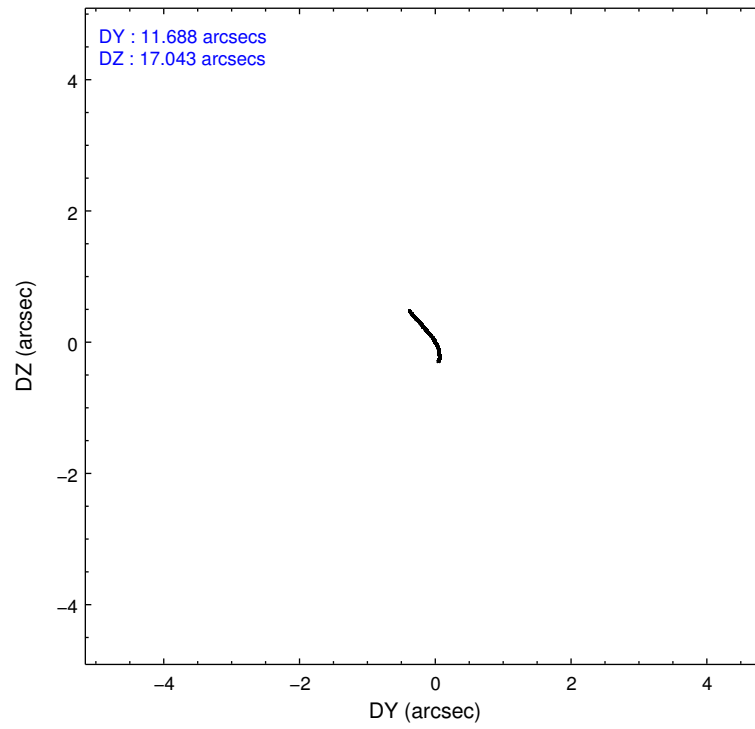
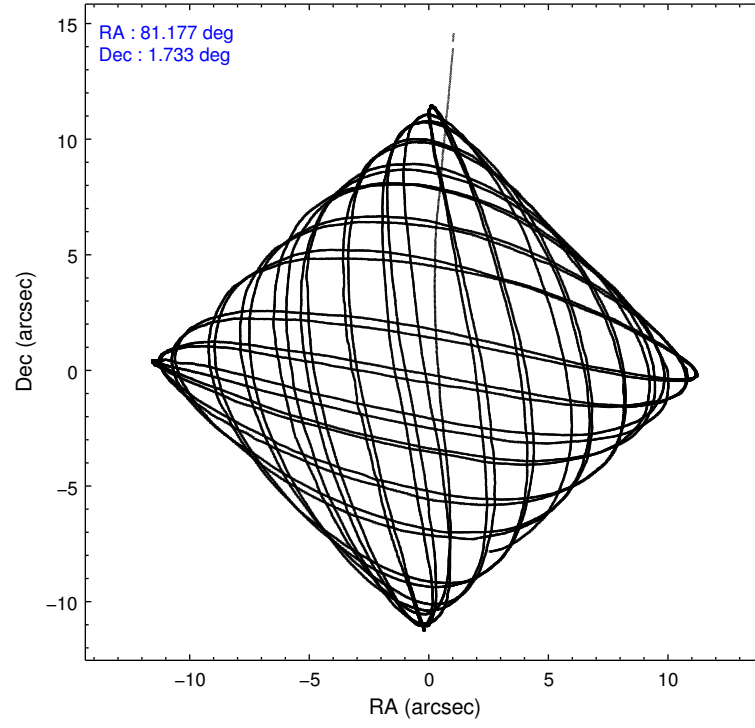
	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	109515	119749	149378	152765
rejected events	97226	106284	85597	111902
rejected %	88%	88%	57%	73%

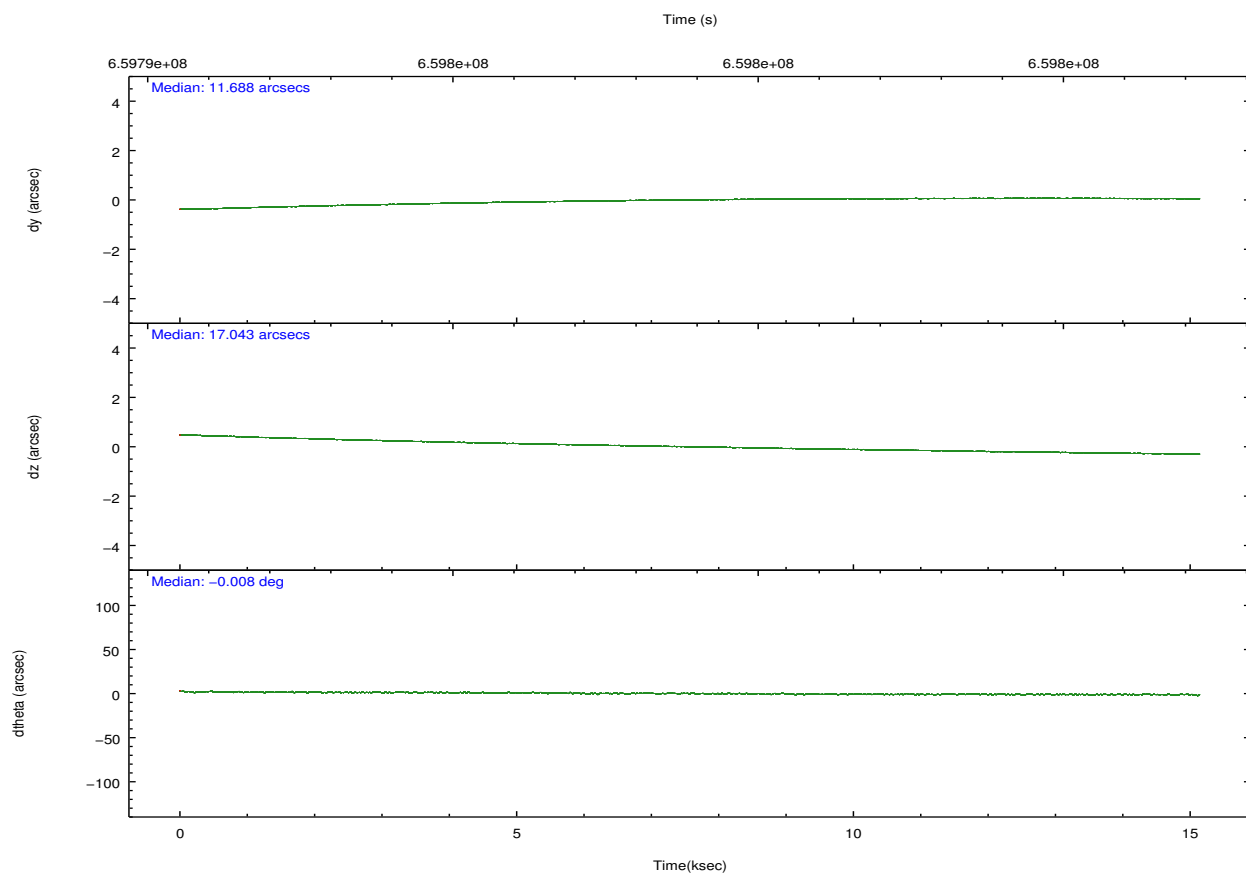
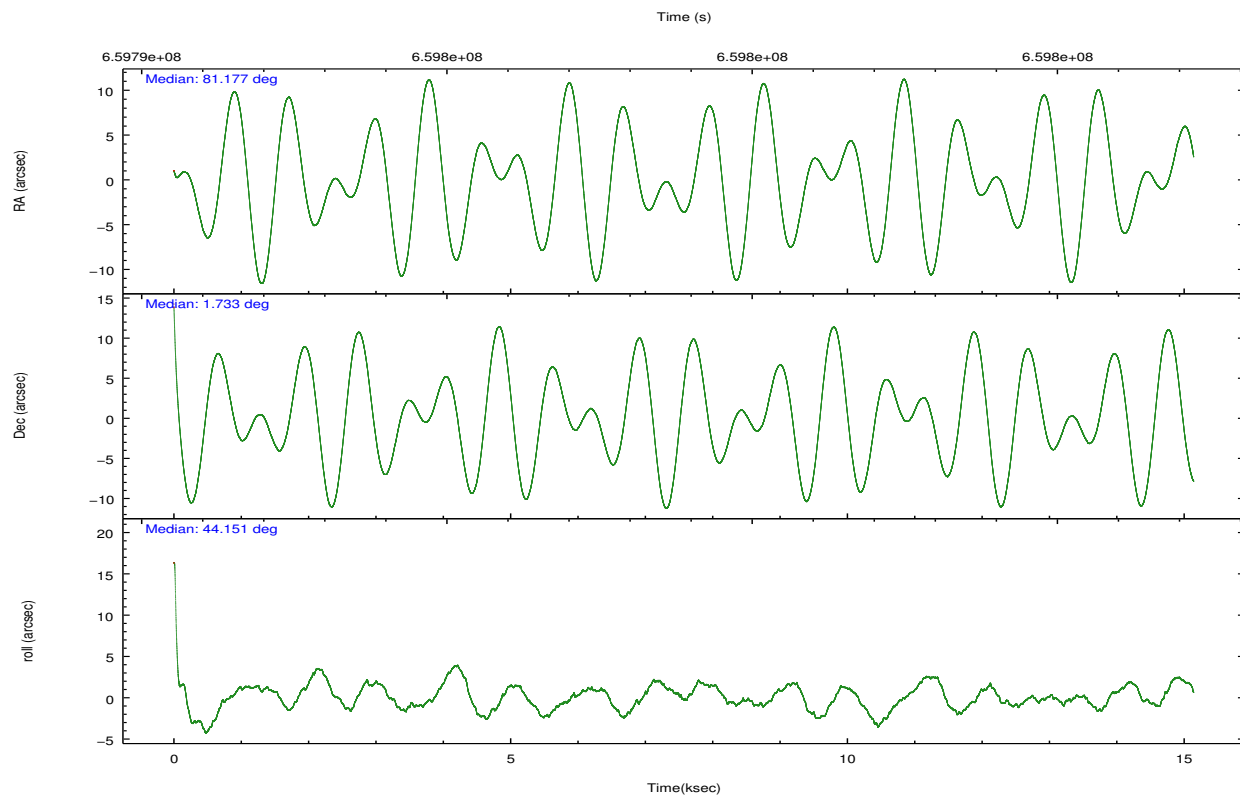
	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	4660	4480	5200	11727
	4%	3%	3%	7%
grade 1 events	67	82	217	125
	0%	0%	0%	0%
grade 2 events	2613	3211	13596	10002
	2%	2%	9%	6%
grade 3 events	1255	1259	4862	4064
	1%	1%	3%	2%
grade 4 events	1231	1228	4803	3782
	1%	1%	3%	2%
grade 5 events	5361	5357	14407	8153
	4%	4%	9%	5%
grade 6 events	2534	3288	35346	11299
	2%	2%	23%	7%
grade 7 events	91794	100844	70947	103613
	83%	84%	47%	67%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3678	ACIS-3678	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	81.169926	81.17707963469911	CCD I2 on	O1	N
[deg] Pointing Dec	1.706963	1.733463318300669	CCD I3 on	Y	Y
[deg] Pointing Roll	44.000252	44.15668451203298	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	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	Y	Y
[s] Observation start time (MET)	659791444.184000	659789913.76436	CCD S5 on	N	N
Observation start date	2018-11-28T11:22:55	2018-11-28T10:58:33	Number of optional ACIS chips dropped	1	1
[s] Observation end time (MET)	659806444.184000	659807306.9904	On-chip summing requested	N	N
Observation end date	2018-11-28T15:32:55	2018-11-28T15:48:26	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



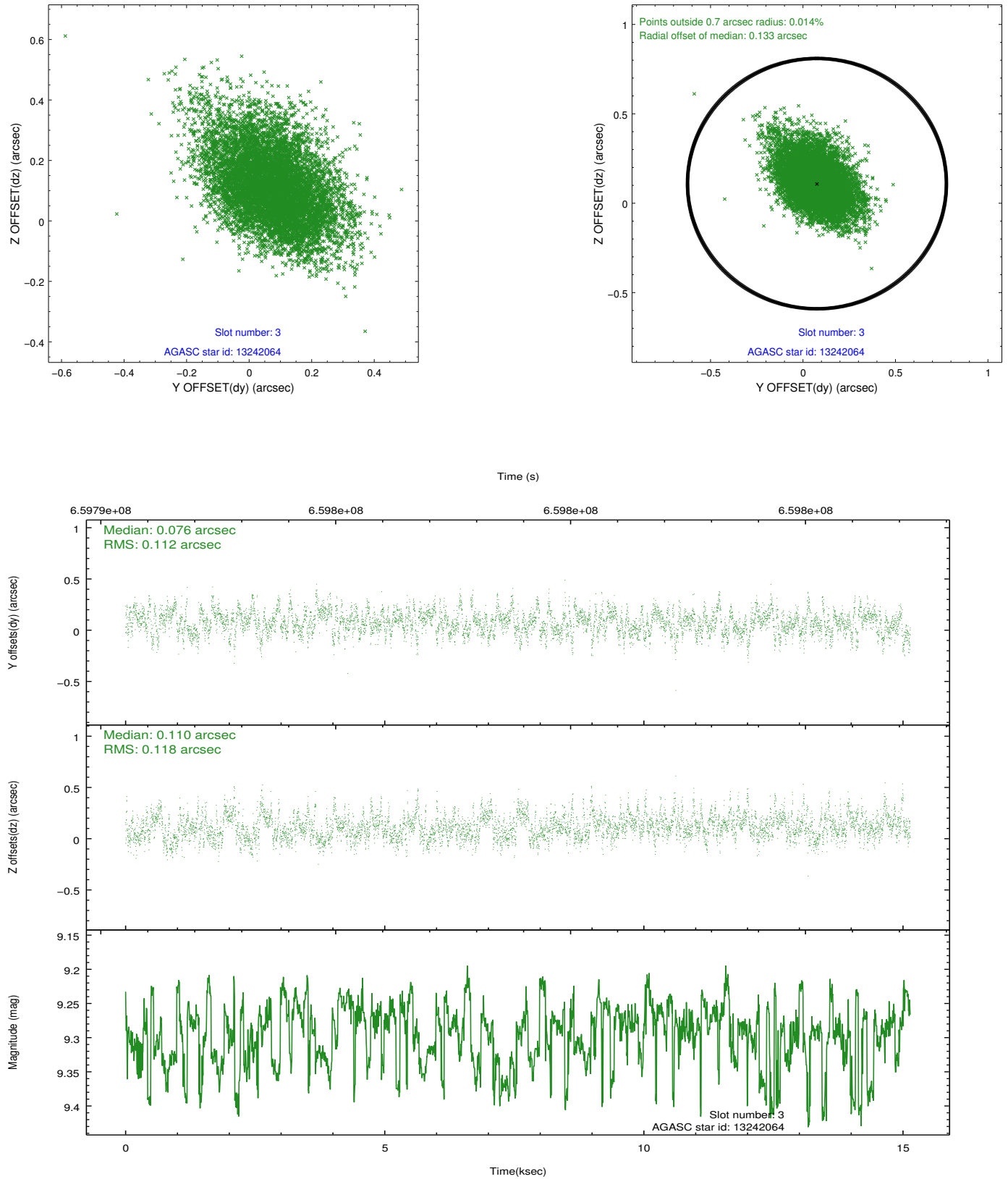


Slot Statistics

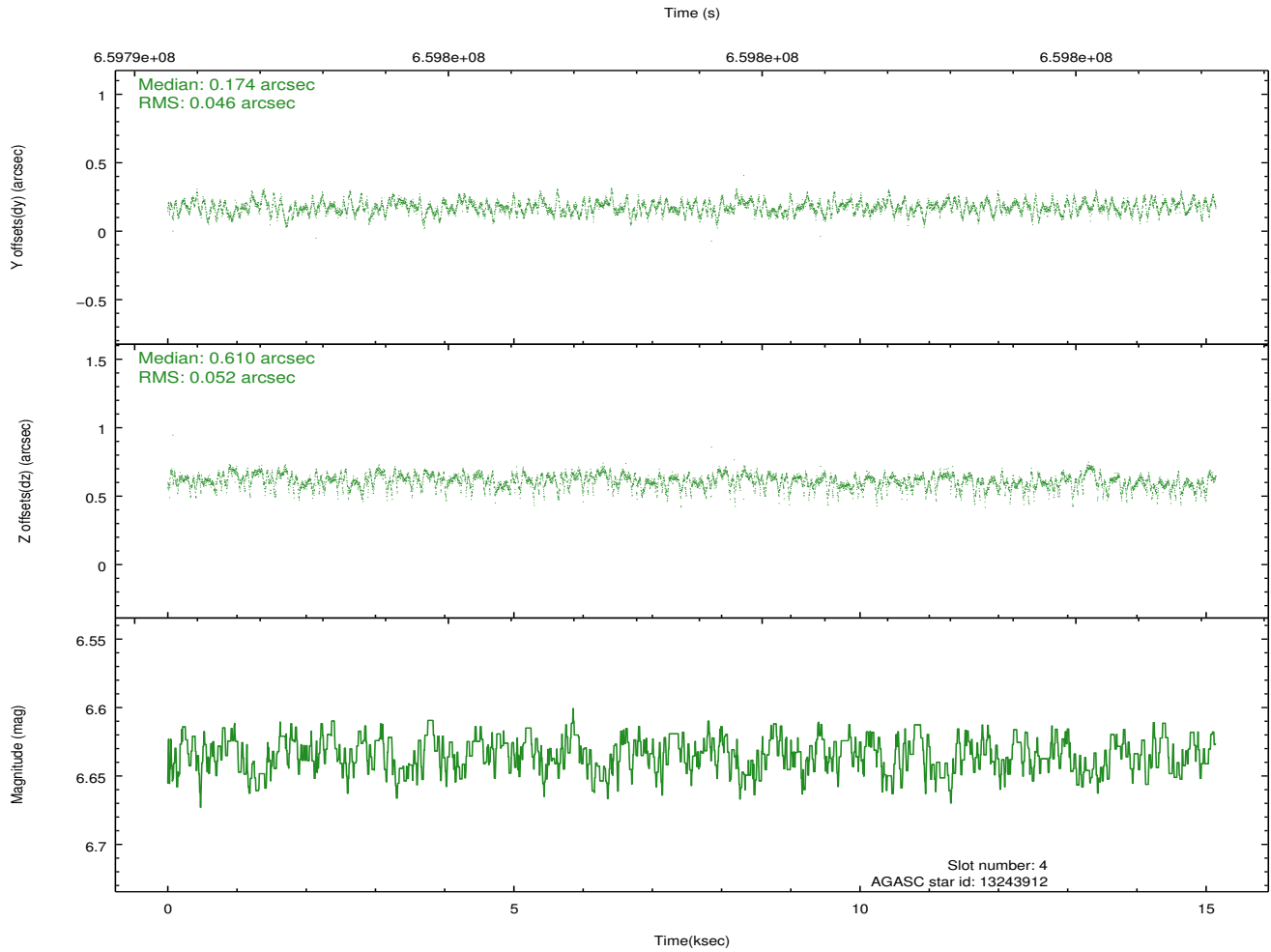
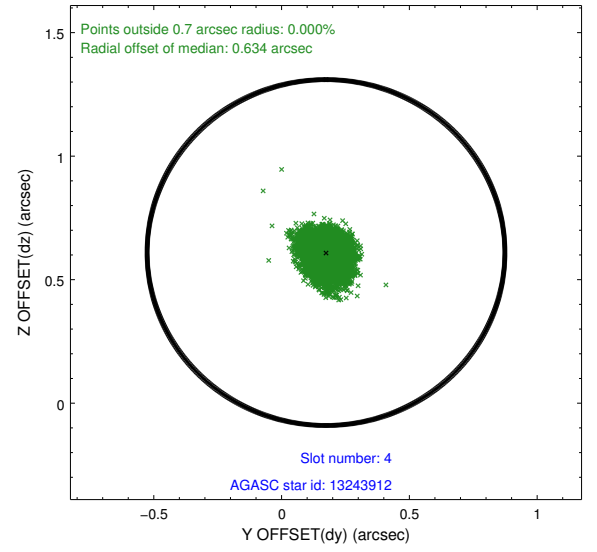
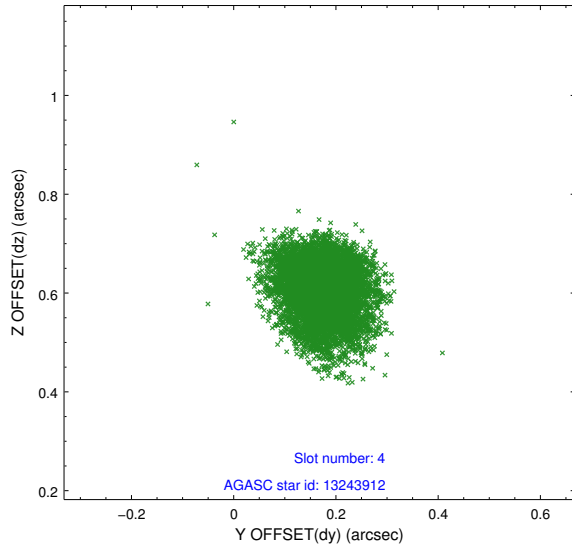
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.16	3693	1.000	0.025	-0.101	0.015	0.035	0.000000	0.000000	931.63	-1734
1	FID		ACIS-S-4	7.18	3694	1.000	0.533	0.063	0.013	0.020	0.000000	0.000000	2149.61	169
2	FID		ACIS-S-5	7.15	3692	1.000	-0.585	0.051	0.014	0.026	0.000000	0.000000	-1817.56	163
3	GUIDE	used	13242064	9.29	7374	1.000	0.076	0.110	0.170	0.285	81.830009	1.606239	1457.71	-1910
4	GUIDE	used	13243912	6.63	7387	1.000	0.174	0.610	0.073	0.120	81.264652	1.185597	-1057.76	-1586
5	GUIDE	used	13784080	6.84	7387	1.000	-0.300	-0.516	0.117	0.190	81.150422	2.353162	1565.29	1721
6	GUIDE	used	13120592	8.12	7386	1.000	-0.025	-0.183	0.100	0.178	80.386741	1.864037	-1633.58	2364
7	GUIDE	used	13766064	8.97	7382	1.000	0.078	-0.009	0.146	0.230	81.700439	2.068290	2276.96	-389

2.4 Star Slots

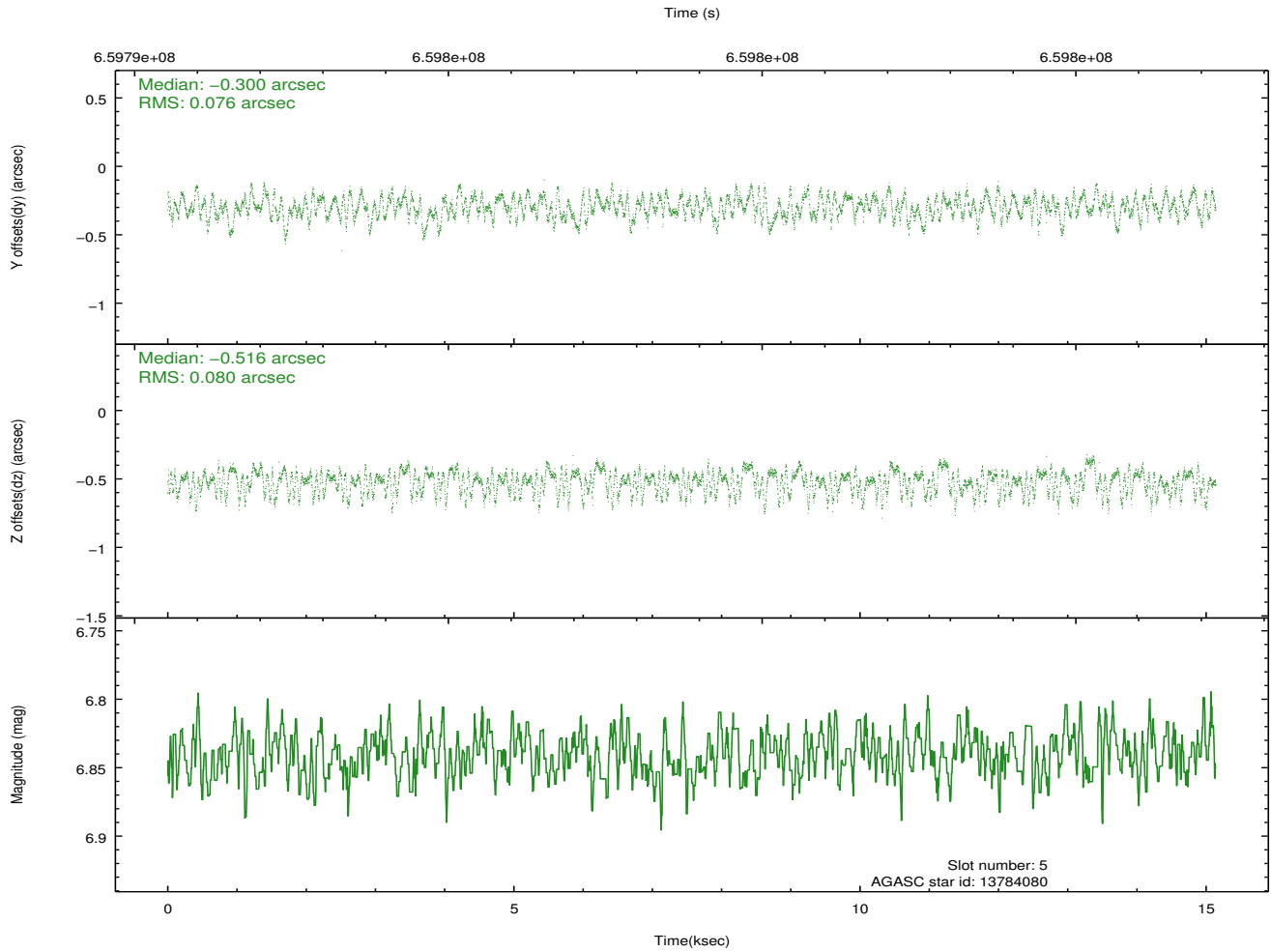
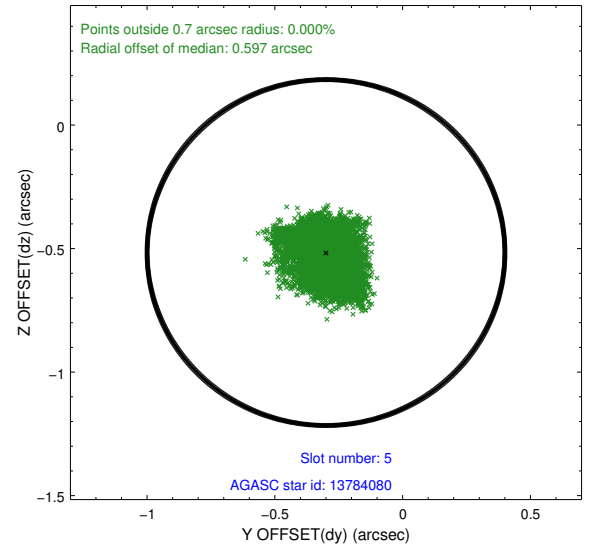
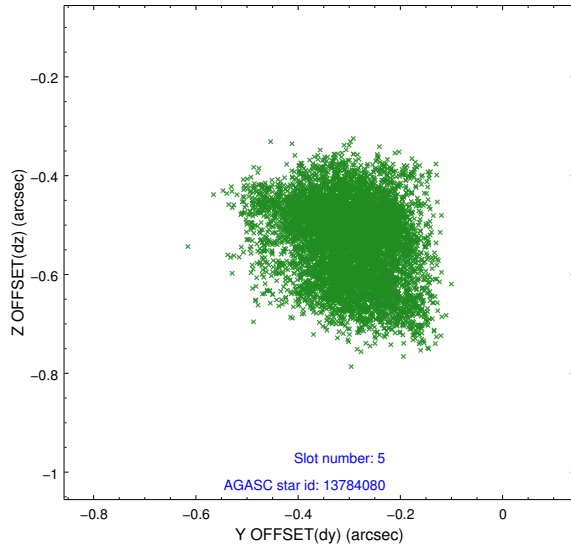
2.4.1 Slot 3



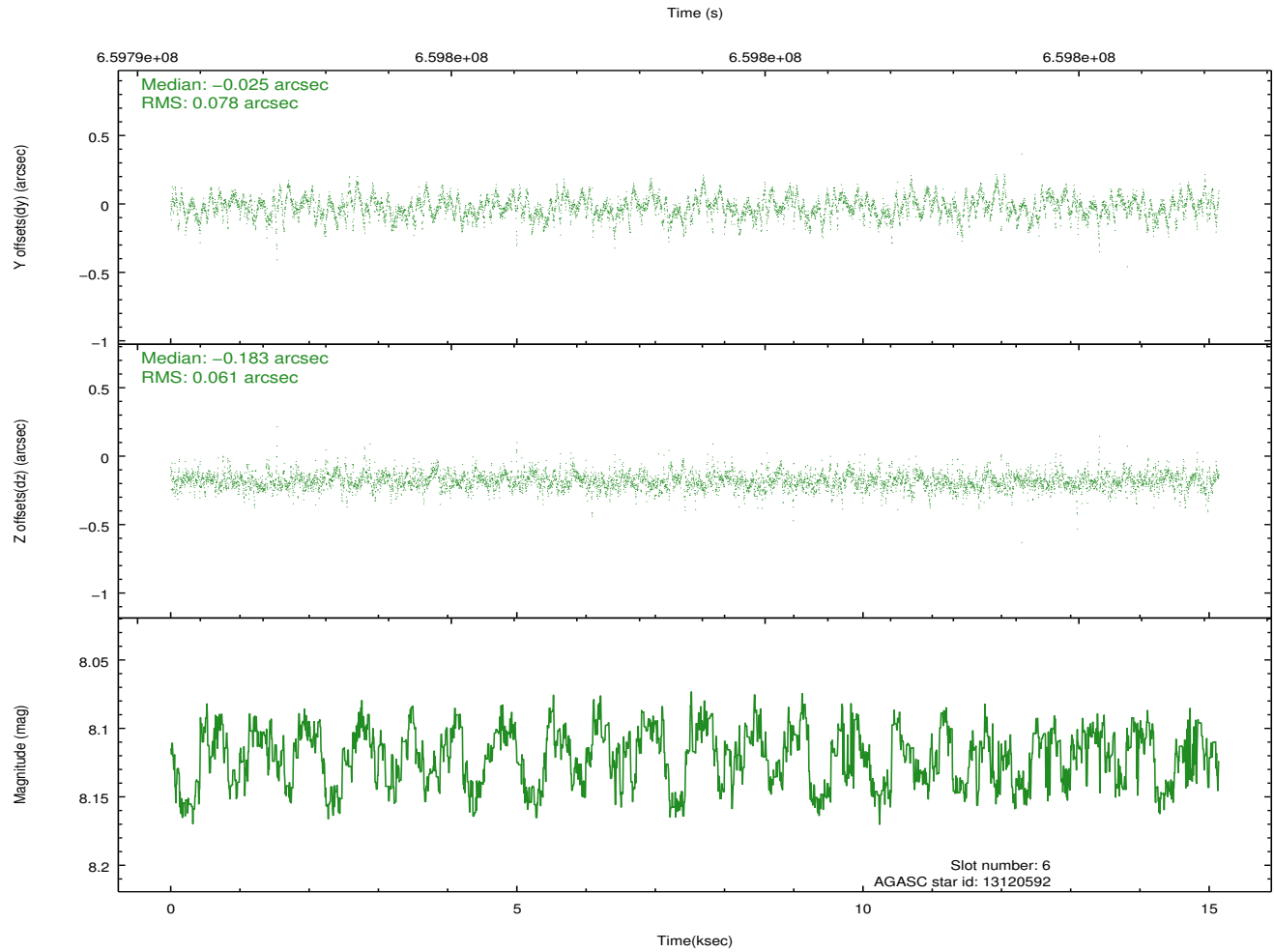
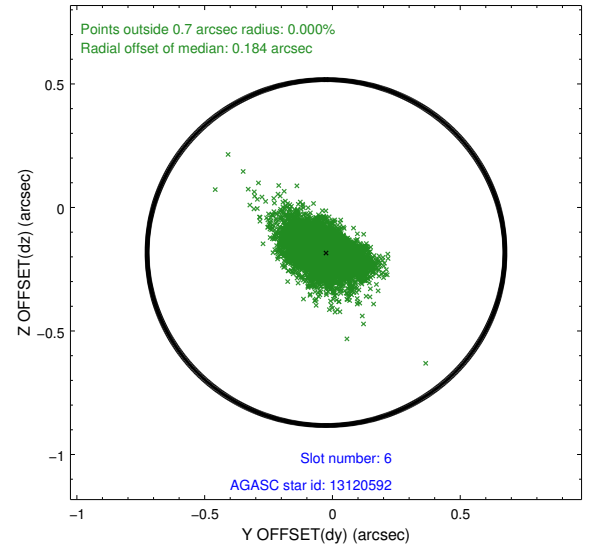
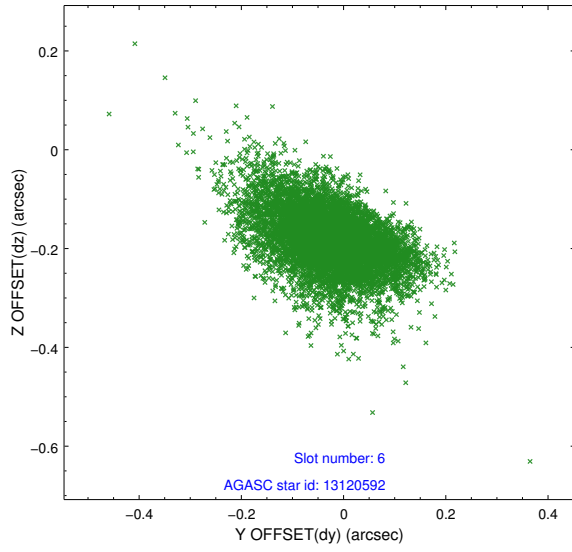
2.4.2 Slot 4



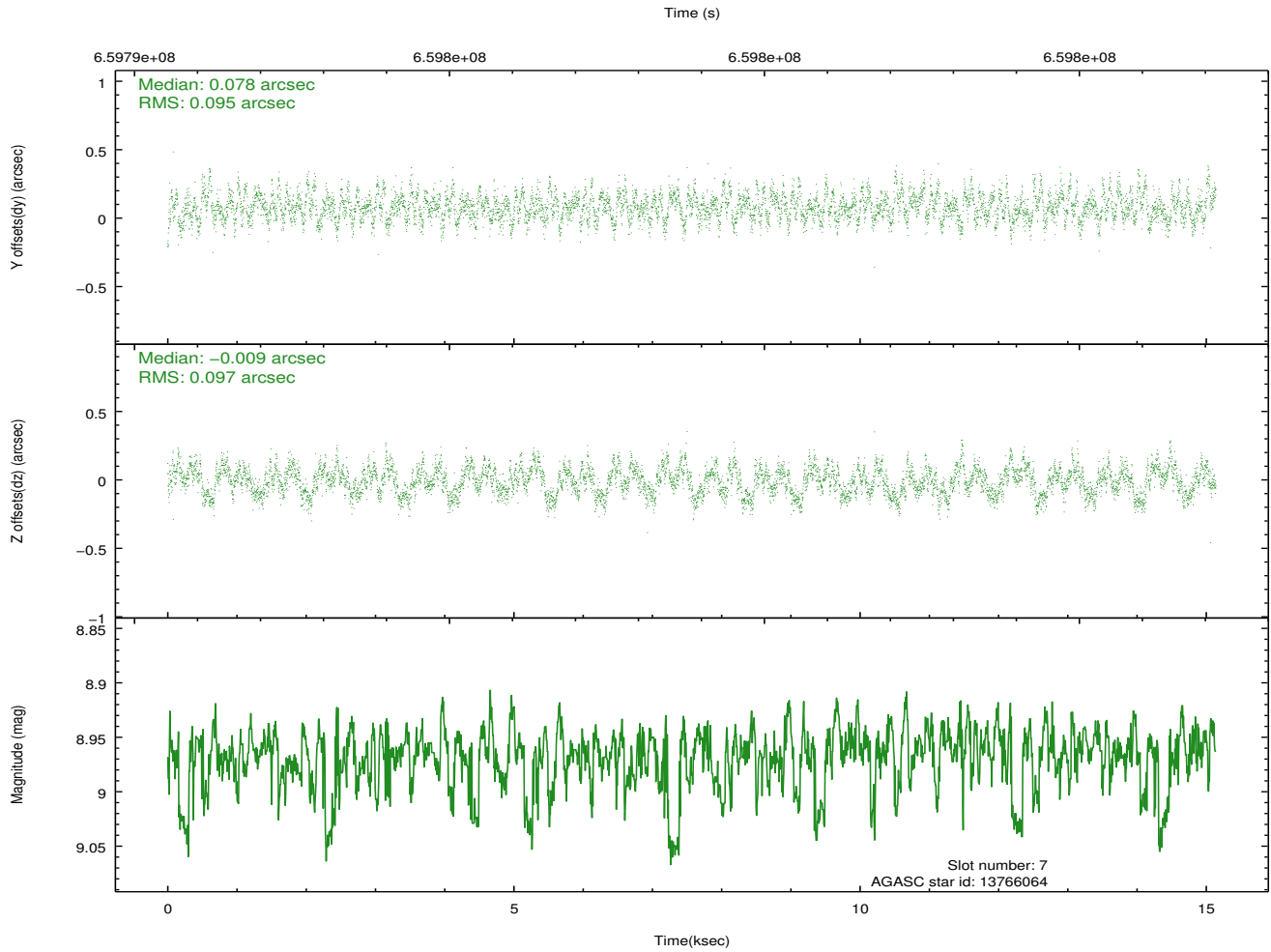
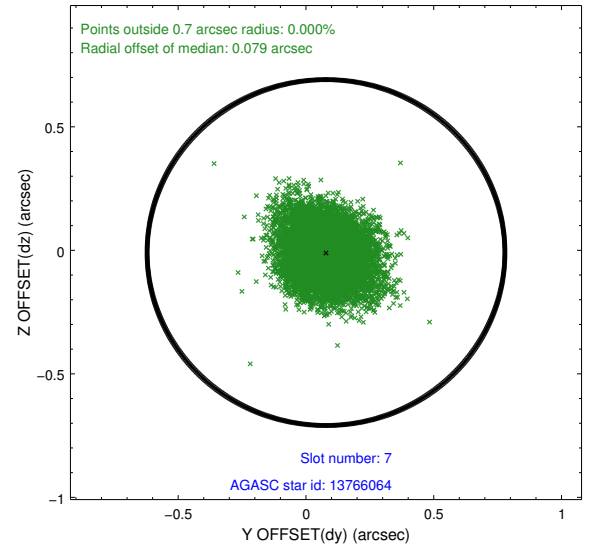
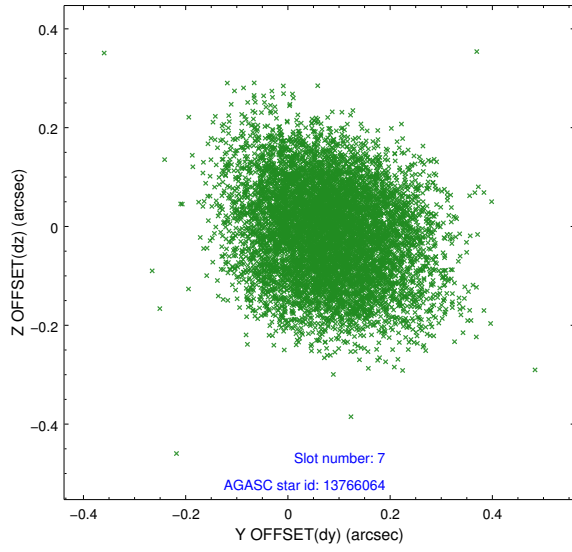
2.4.3 Slot 5



2.4.4 Slot 6

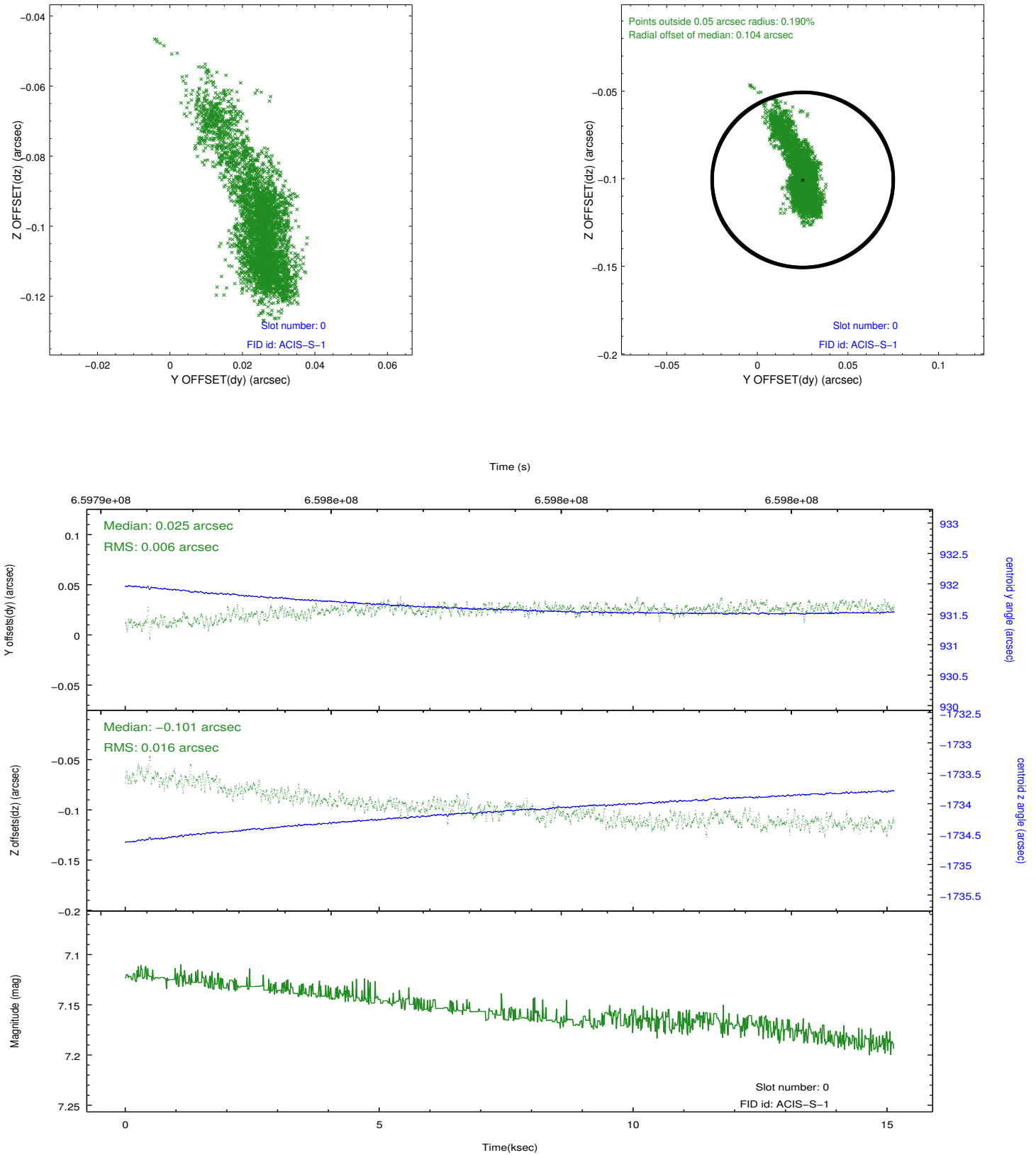


2.4.5 Slot 7

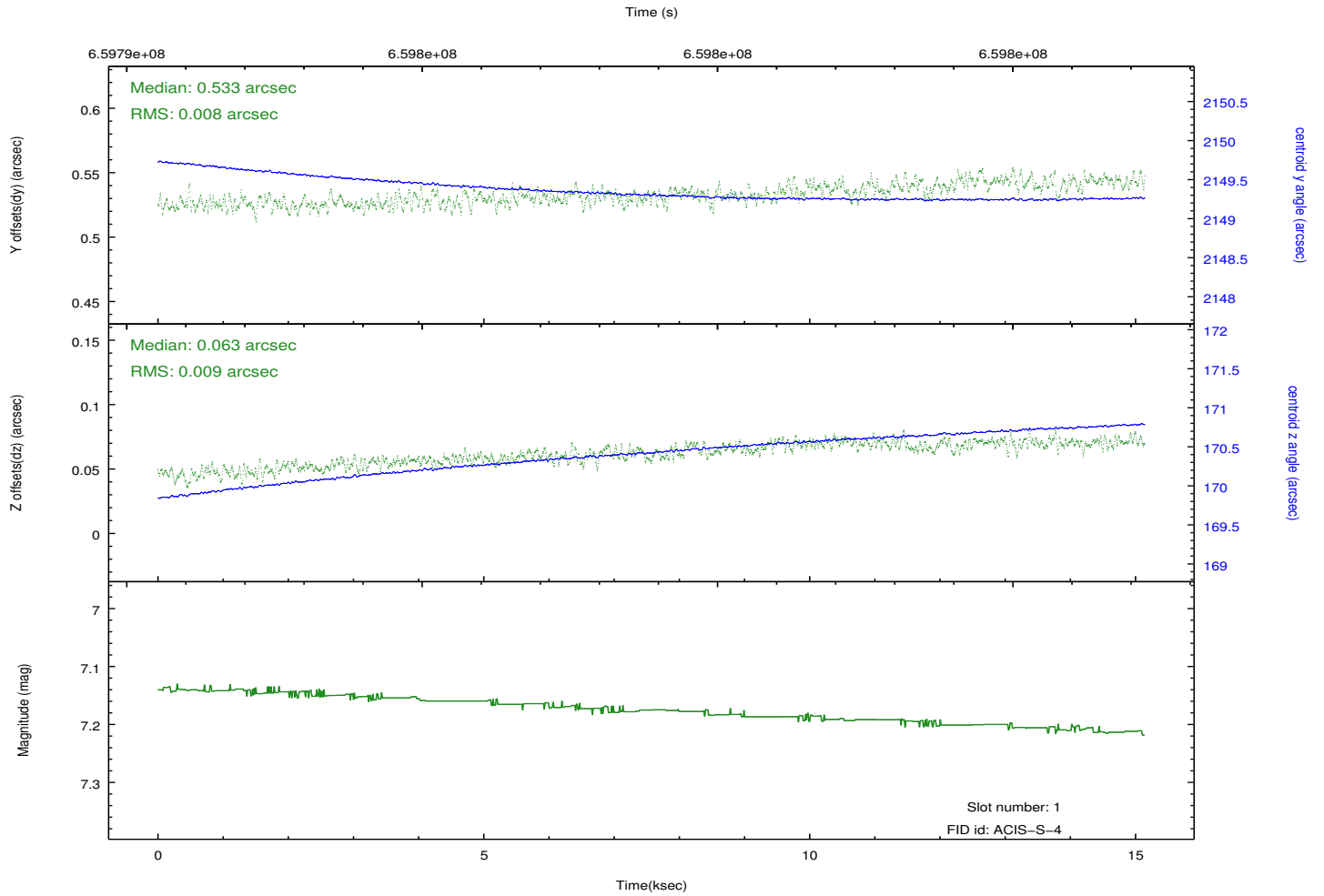
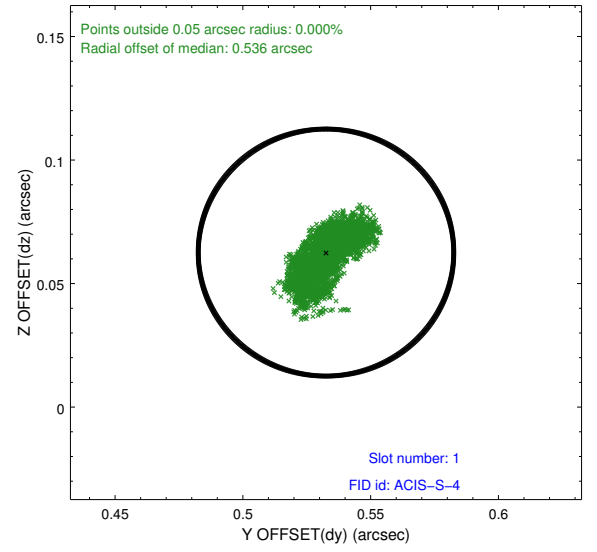
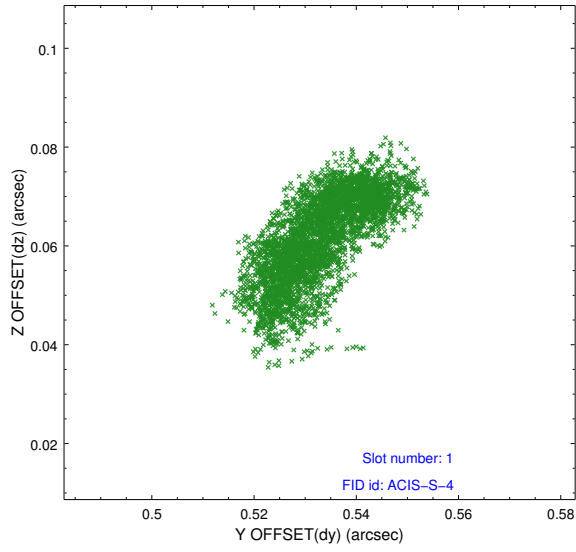


2.5 FID Slots

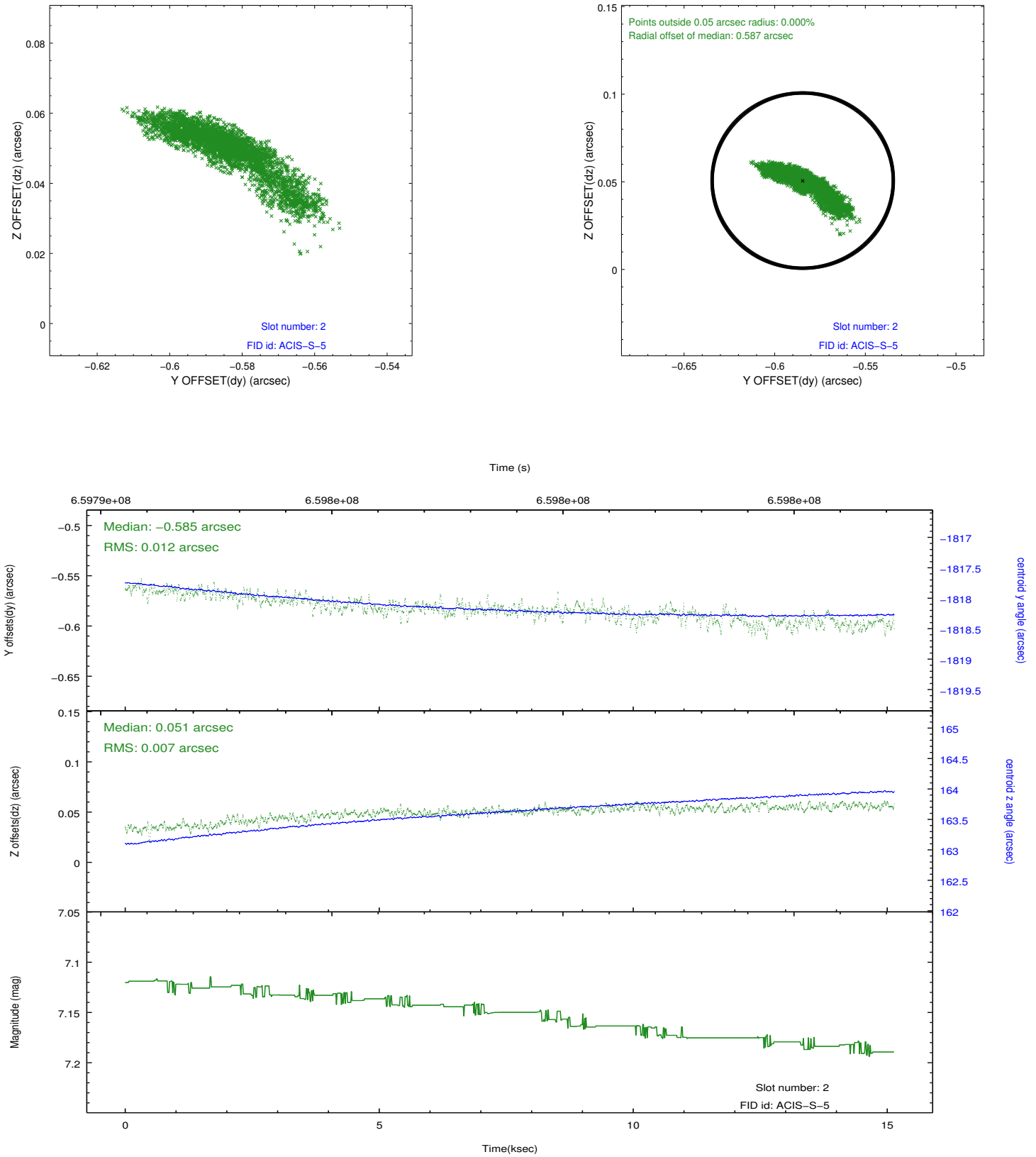
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2018.11.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.064908638835

A.2 Comments