

V&V Reference Report

L2 ASCDS Version : 10.5.2

Observation 19478 - L2 Version 1
Chandra X-Ray Center

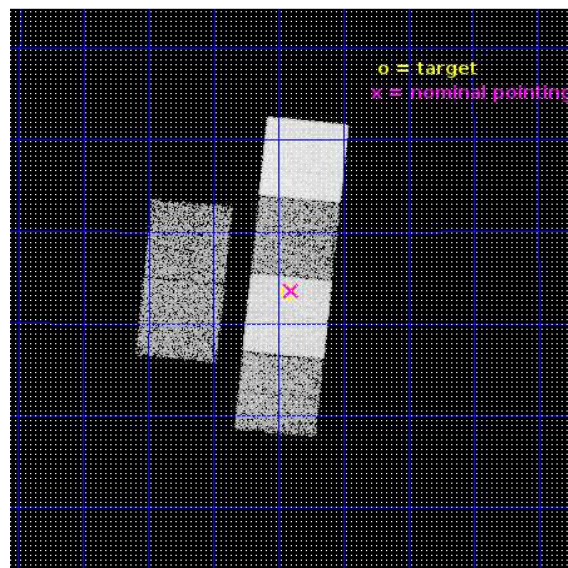
L2 Processing Date : Feb 3 2017

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1 Front

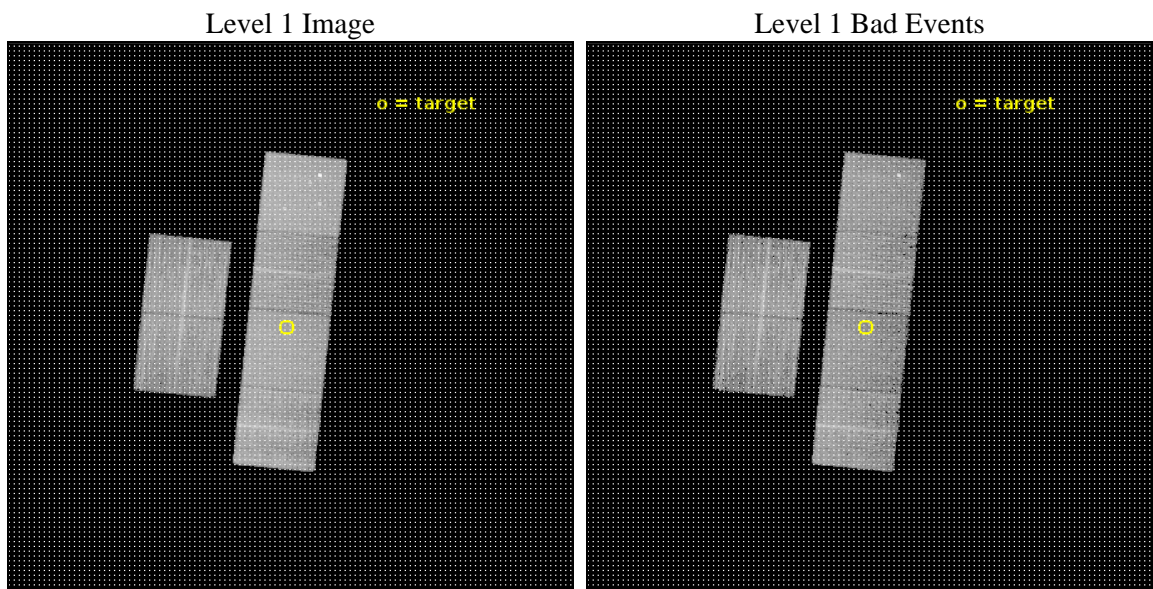
seq_num	703326	Sequence number
obs_id	19478	Observation id
title	UNDERSTANDING THE ROLE OF AGN IN TRANSITIONING GALAXI	Proposal tit
observer	Dr. Lauranne Lanz	Principal investigator
object	spog1030	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	174.23	Observer's specified target RA [deg]
dec_targ	24.890389	Observer's specified target Dec [deg]
ra_nom	174.22525077366	Nominal RA [deg]
dec_nom	24.893184506488	Nominal Dec [deg]
roll_nom	95.744988803392	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10940.800163031	Sum of GTIs [s]
livetime	10802.261163607	Livetime [s]
ontime2	10940.800163031	Sum of GTIs [s]
ontime3	10937.55909276	Sum of GTIs [s]
ontime5	10940.800163031	Sum of GTIs [s]
ontime6	10937.559062123	Sum of GTIs [s]
ontime7	10940.800163031	Sum of GTIs [s]
ontime8	10940.800163031	Sum of GTIs [s]
l2events	126310	Number of level 2 events



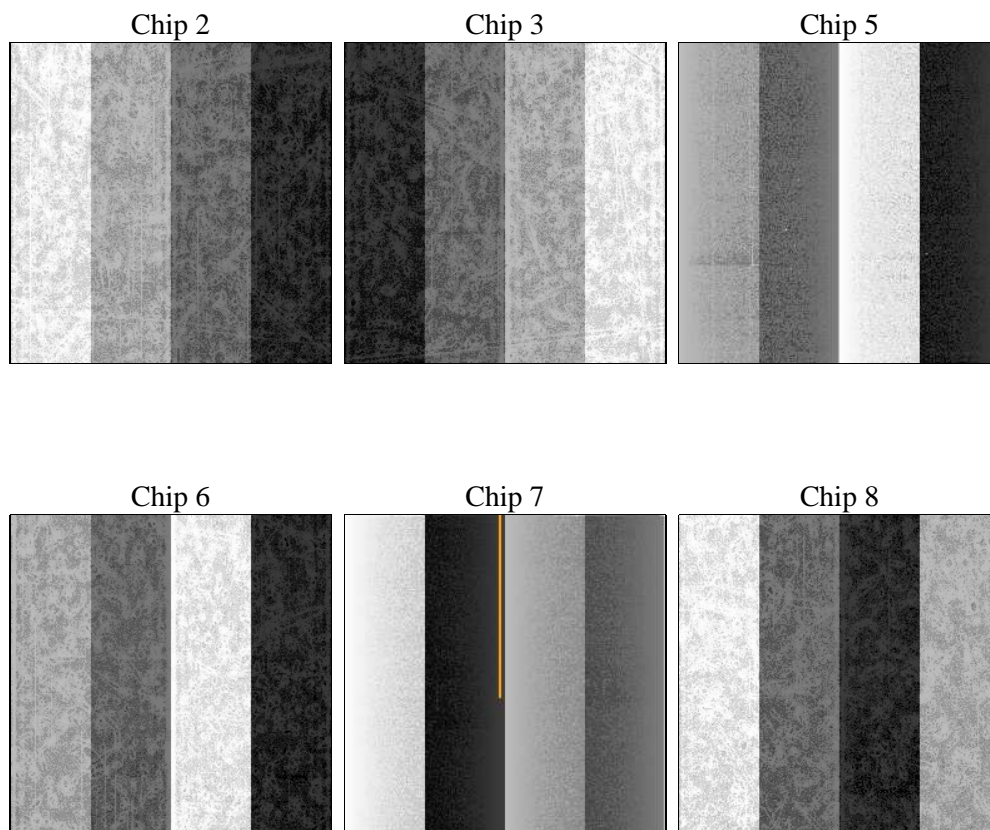
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	11000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.2	Processing system revision	ontime	10940.800163031	Sum of GTIs [s]
caldsver	4.7.3	 	ontime2	10940.800163031	Sum of GTIs [s]
date	2017-02-03T06:16:05	Date and time of file creation	ontime3	10937.55909276	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	10940.800163031	Sum of GTIs [s]
			ontime6	10937.559062123	Sum of GTIs [s]
			ontime7	10940.800163031	Sum of GTIs [s]
			ontime8	10940.800163031	Sum of GTIs [s]
			l1events	552215	Number of level 1 events

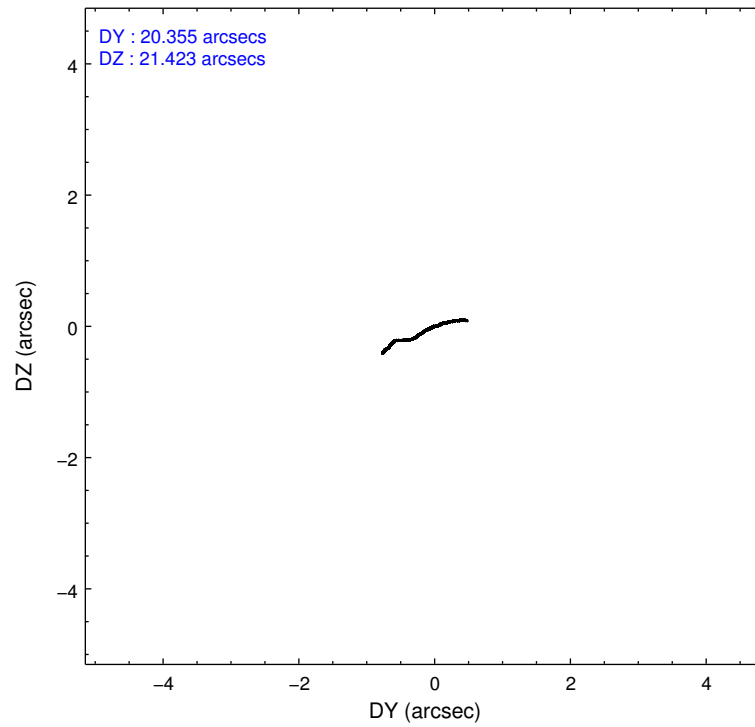
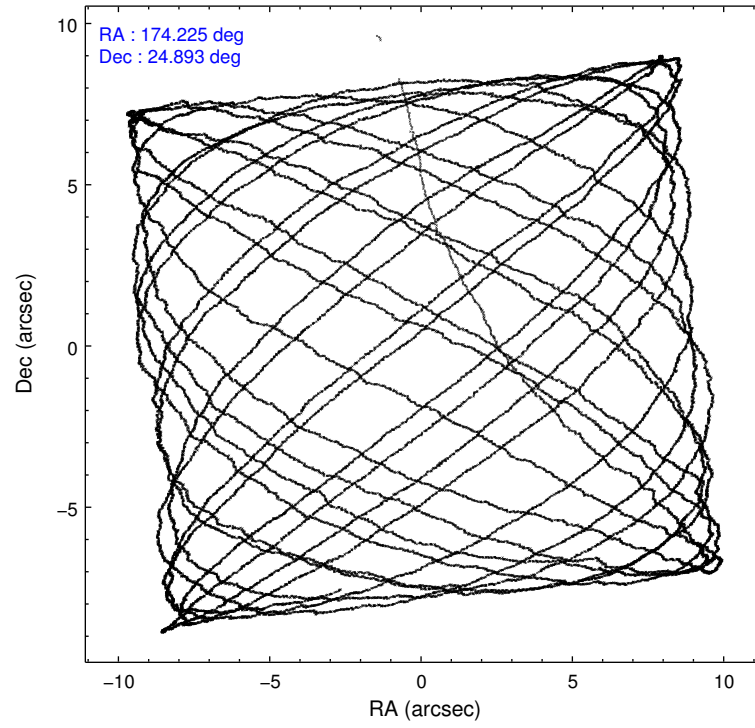
2.1.4 Events

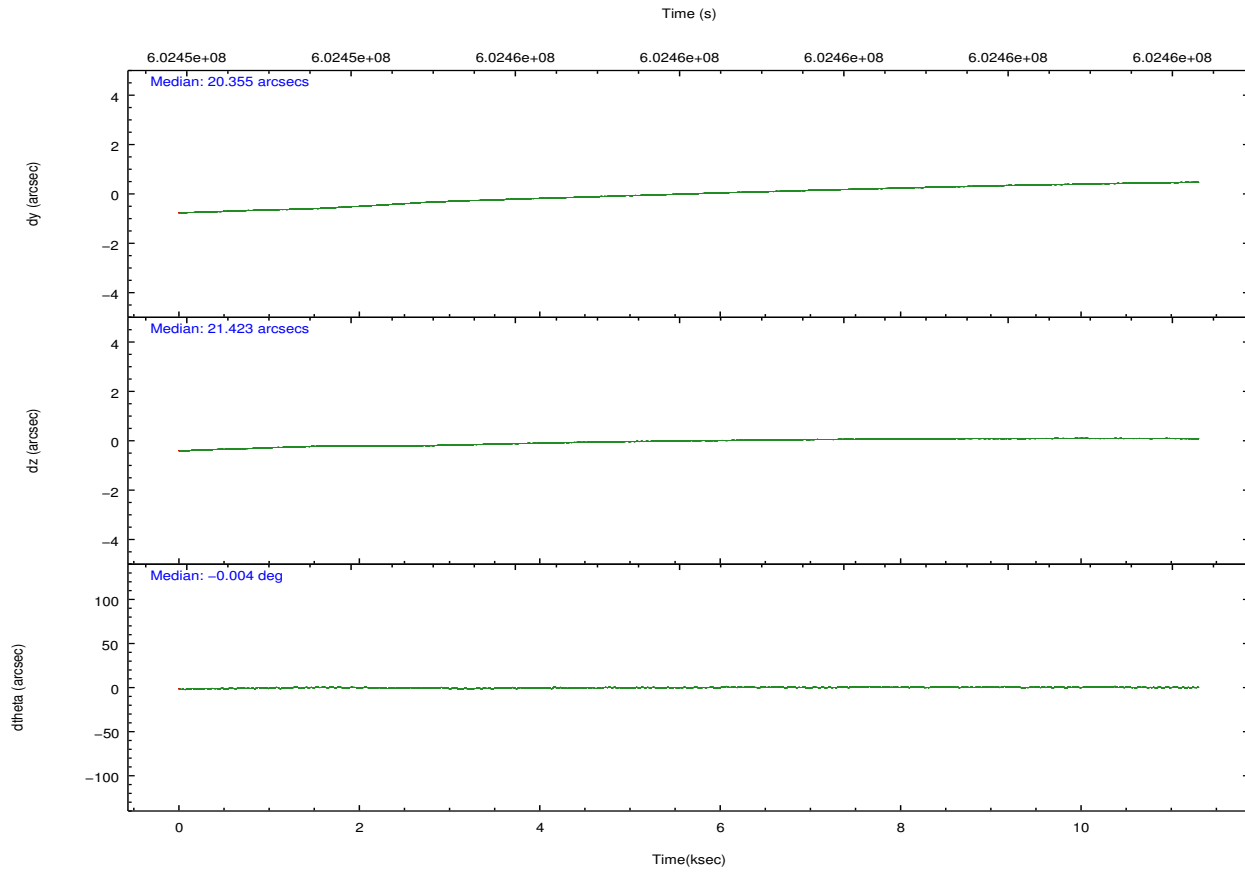
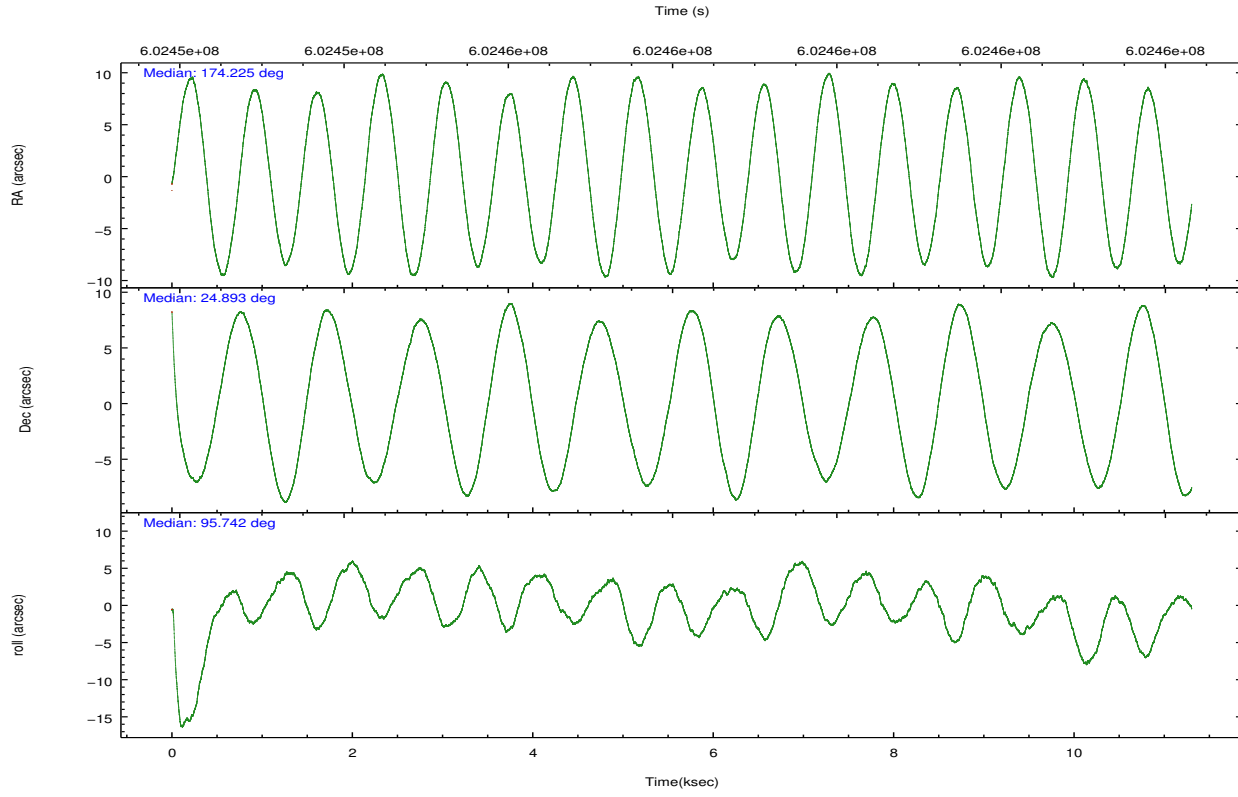
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	80404	72639	124284	77213	98055	99620	grade 0 events	2787	2675	4904	2733	3519	7625
rejected events	72394	65009	64166	68812	55504	72830		3%	3%	3%	3%	3%	7%
rejected %	90%	89%	51%	89%	56%	73%	grade 1 events	44	55	266	36	130	80
								0%	0%	0%	0%	0%	0%
							grade 2 events	1995	1728	19603	1983	9060	6571
								2%	2%	15%	2%	9%	6%
							grade 3 events	791	804	1802	833	3453	2802
								0%	1%	1%	1%	3%	2%
							grade 4 events	767	829	1784	869	3248	2667
								0%	1%	1%	1%	3%	2%
							grade 5 events	3036	3533	8586	3578	9750	5331
								3%	4%	6%	4%	9%	5%
							grade 6 events	1672	1595	32063	1990	23295	7151
								2%	2%	25%	2%	23%	7%
							grade 7 events	69312	61420	55276	65191	45600	67393
								86%	84%	44%	84%	46%	67%

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	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	174.243247	174.2252507736556	CCD I2 on	O2	Y
[deg] Pointing Dec	24.871157	24.89318450648803	CCD I3 on	O1	Y
[deg] Pointing Roll	95.580771	95.74498880339202	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	602452758.184000	602451738.82757	CCD S5 on	N	N
Observation start date	2017-02-02T19:58:09	2017-02-02T19:42:18	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	602463758.184000	602464769.14082	On-chip summing requested	N	N
Observation end date	2017-02-02T23:01:29	2017-02-02T23:19:29	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



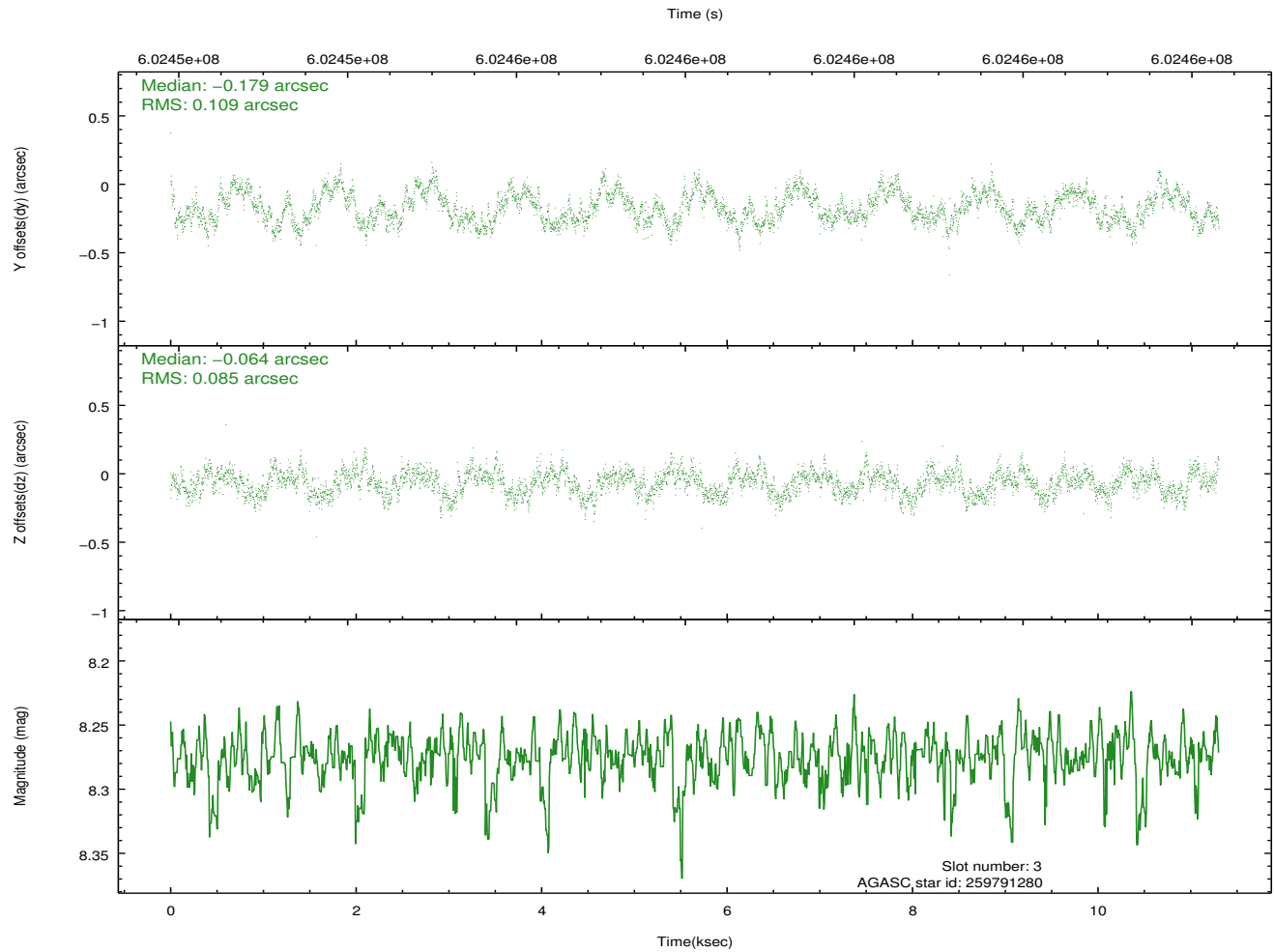
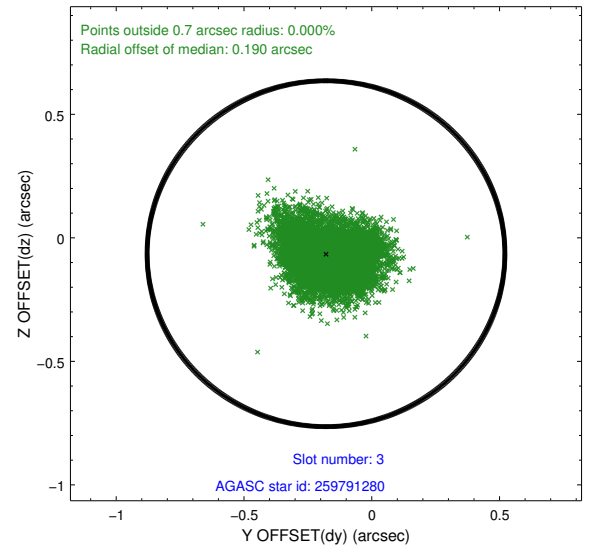
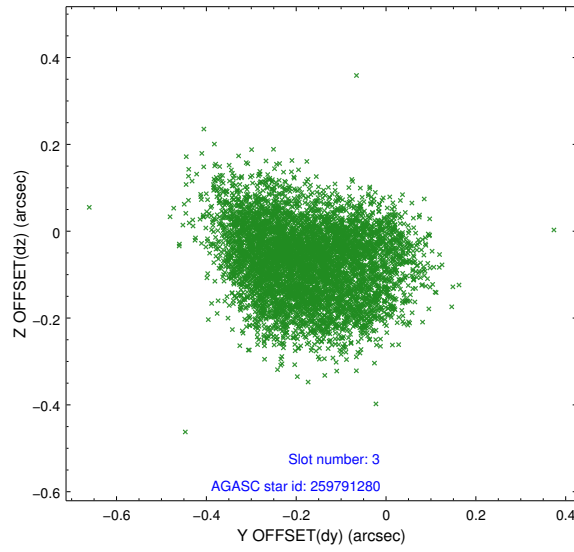


Slot Statistics

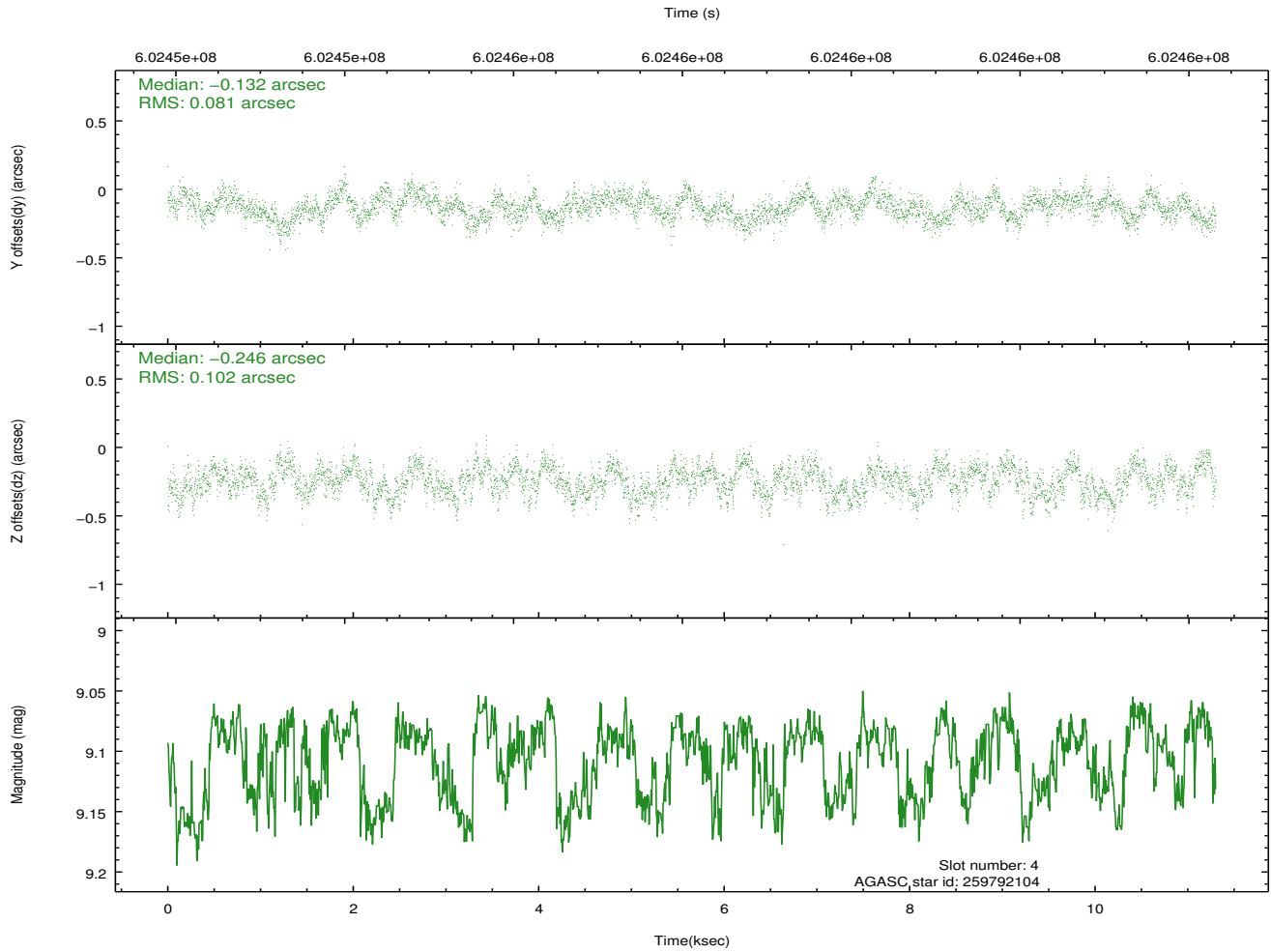
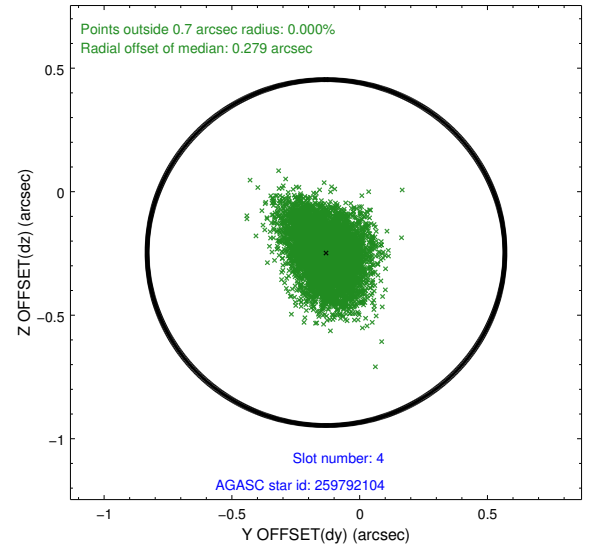
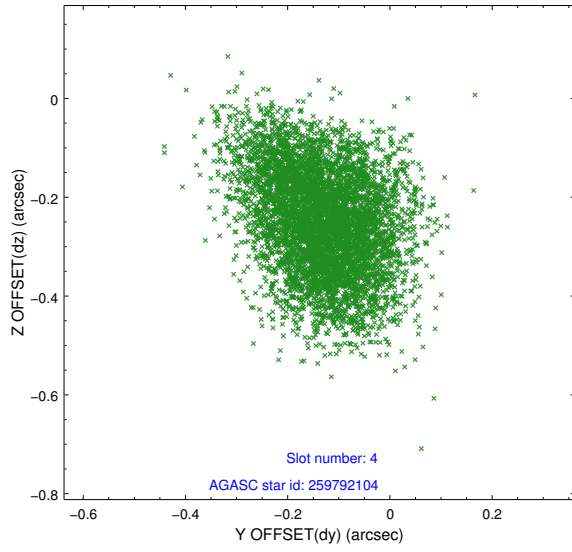
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.04	2758	-0.222	-0.133	0.012	0.020	0.000000	0.000000	-773.64	-1743.05
1	FID		ACIS-S-4	7.16	2758	0.469	0.143	0.008	0.016	0.000000	0.000000	2140.12	165.24
2	FID		ACIS-S-5	7.16	2757	-0.279	-0.001	0.013	0.018	0.000000	0.000000	-1825.96	159.28
3	GUIDE	used	259791280	8.27	5513	-0.179	-0.064	0.151	0.226	174.359734	25.420263	1931.47	-569.09
4	GUIDE	used	259792104	9.10	5504	-0.132	-0.246	0.138	0.223	173.955709	24.611824	-834.97	1026.54
5	GUIDE	used	259797760	9.22	5508	0.025	0.024	0.211	0.326	174.313701	24.987424	394.47	-268.41
6	GUIDE	used	259799176	8.46	5507	-0.195	0.028	0.096	0.158	174.465928	25.397683	1817.17	-904.88
7	GUIDE	used	259799616	9.07	5507	0.462	0.258	0.135	0.223	174.542090	24.474781	-1513.04	-835.47

2.4 Star Slots

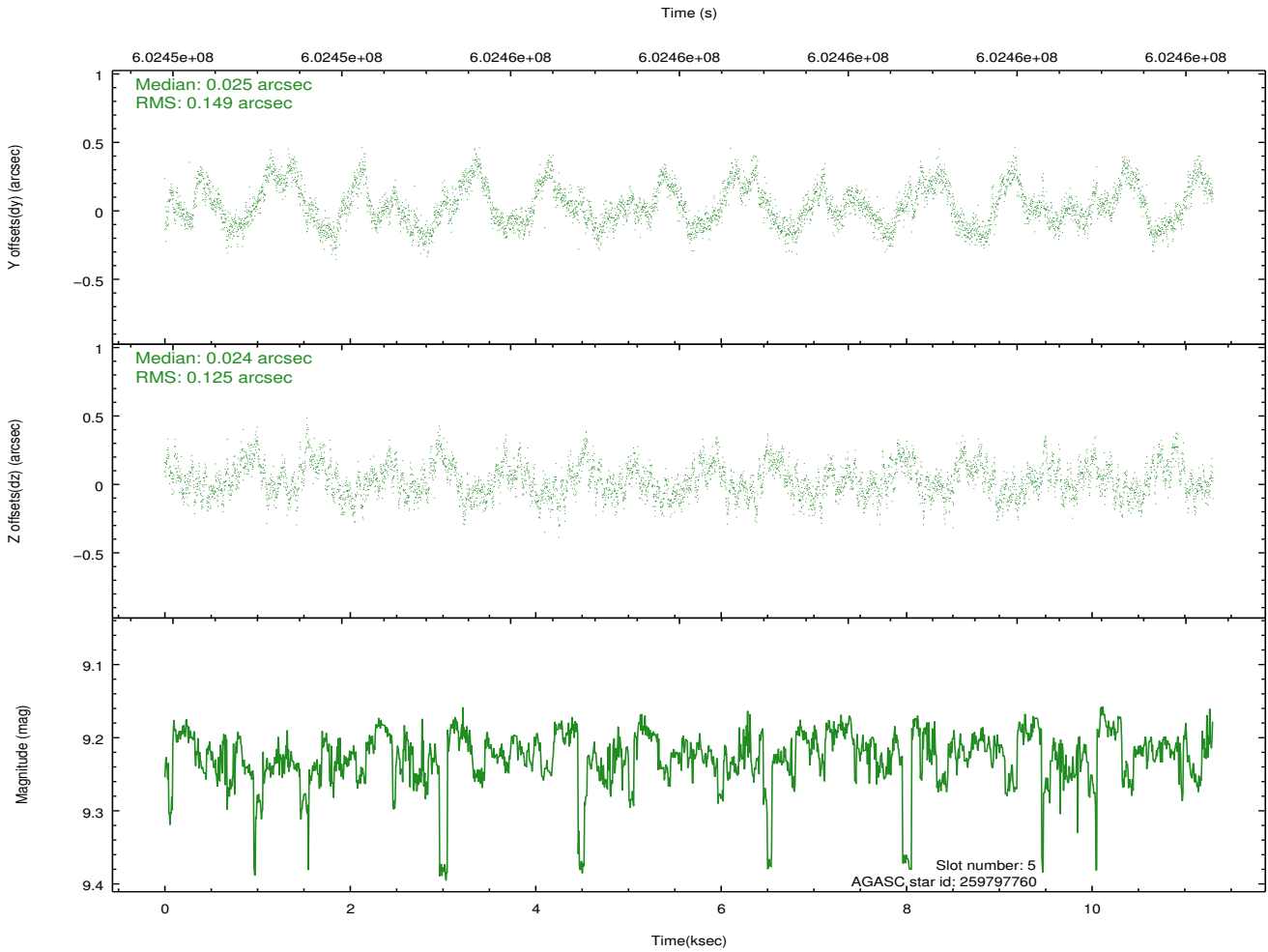
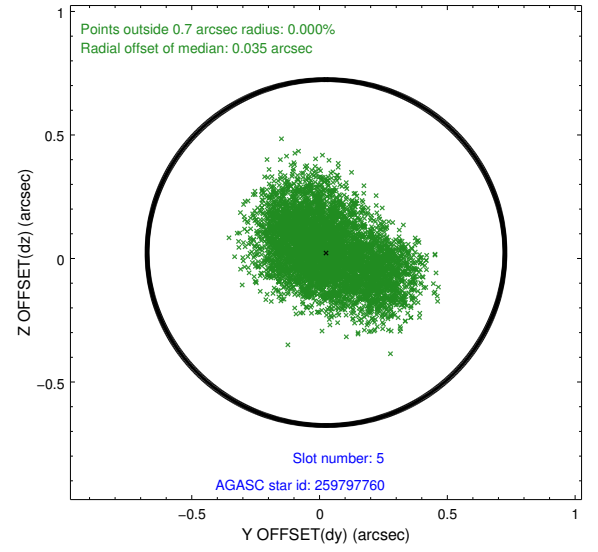
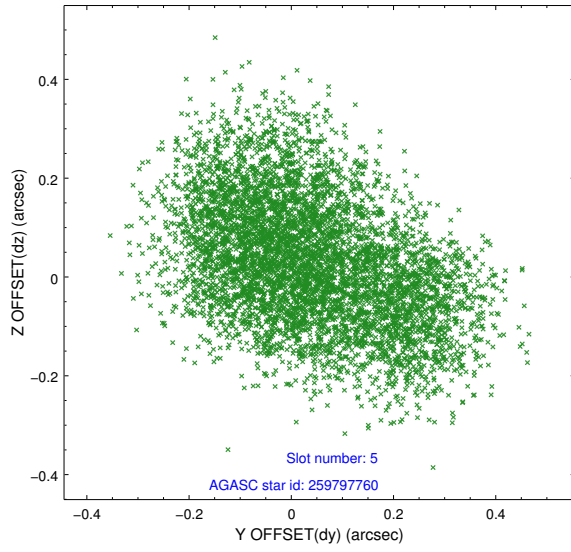
2.4.1 Slot 3



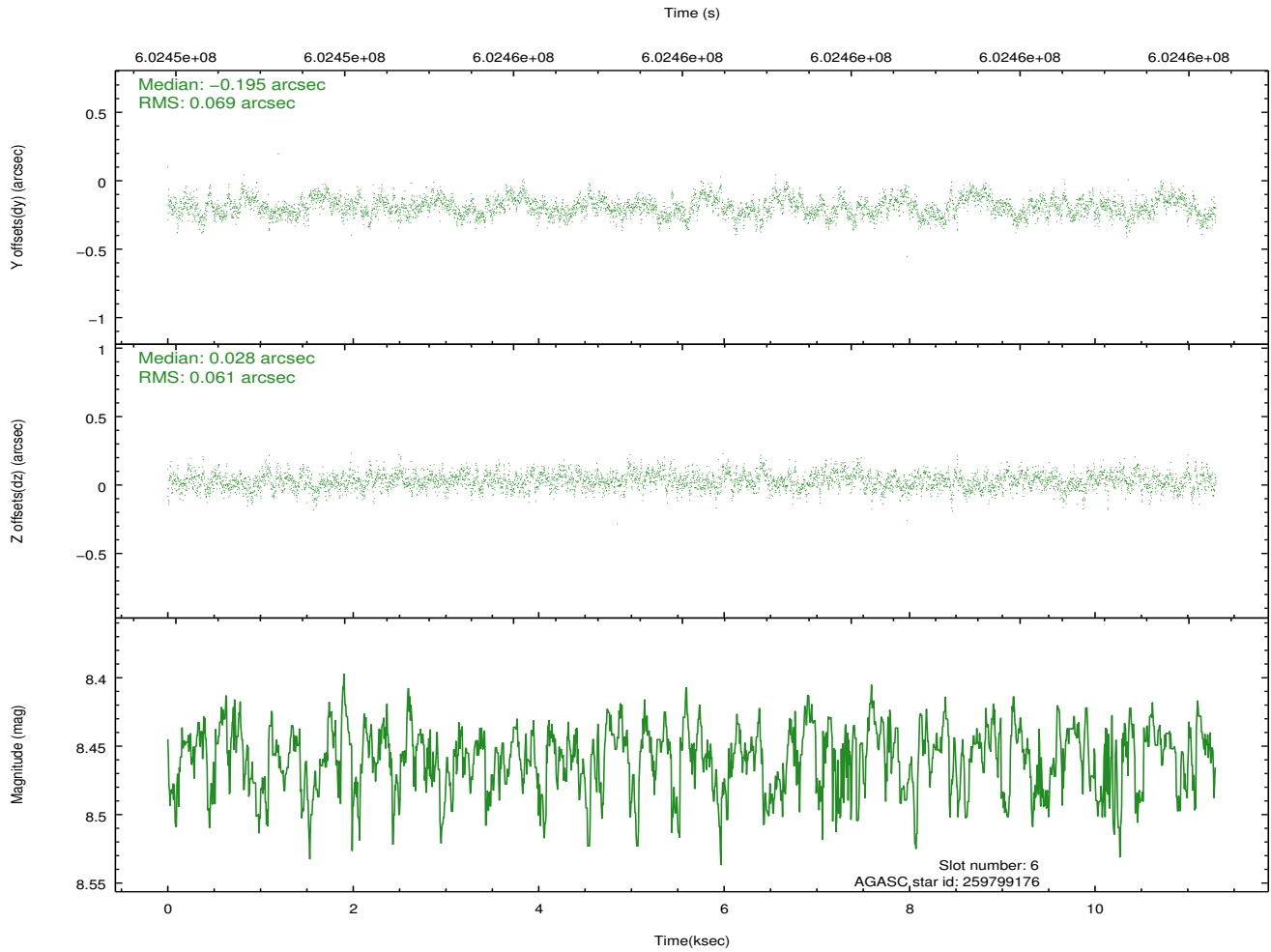
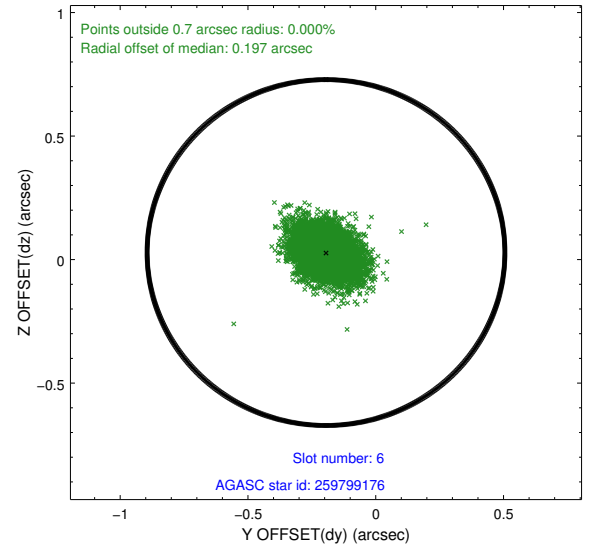
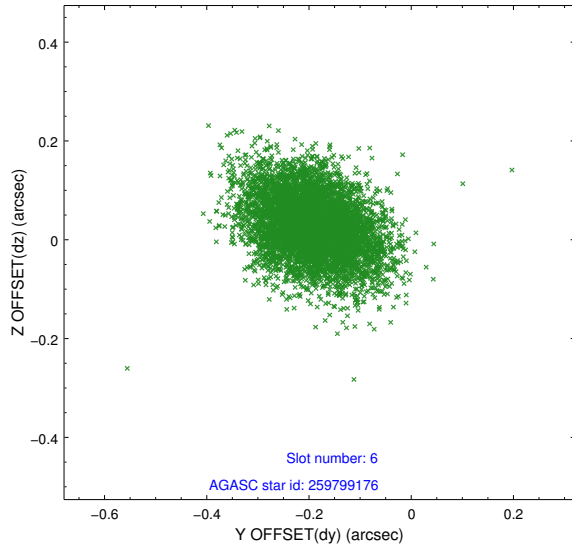
2.4.2 Slot 4



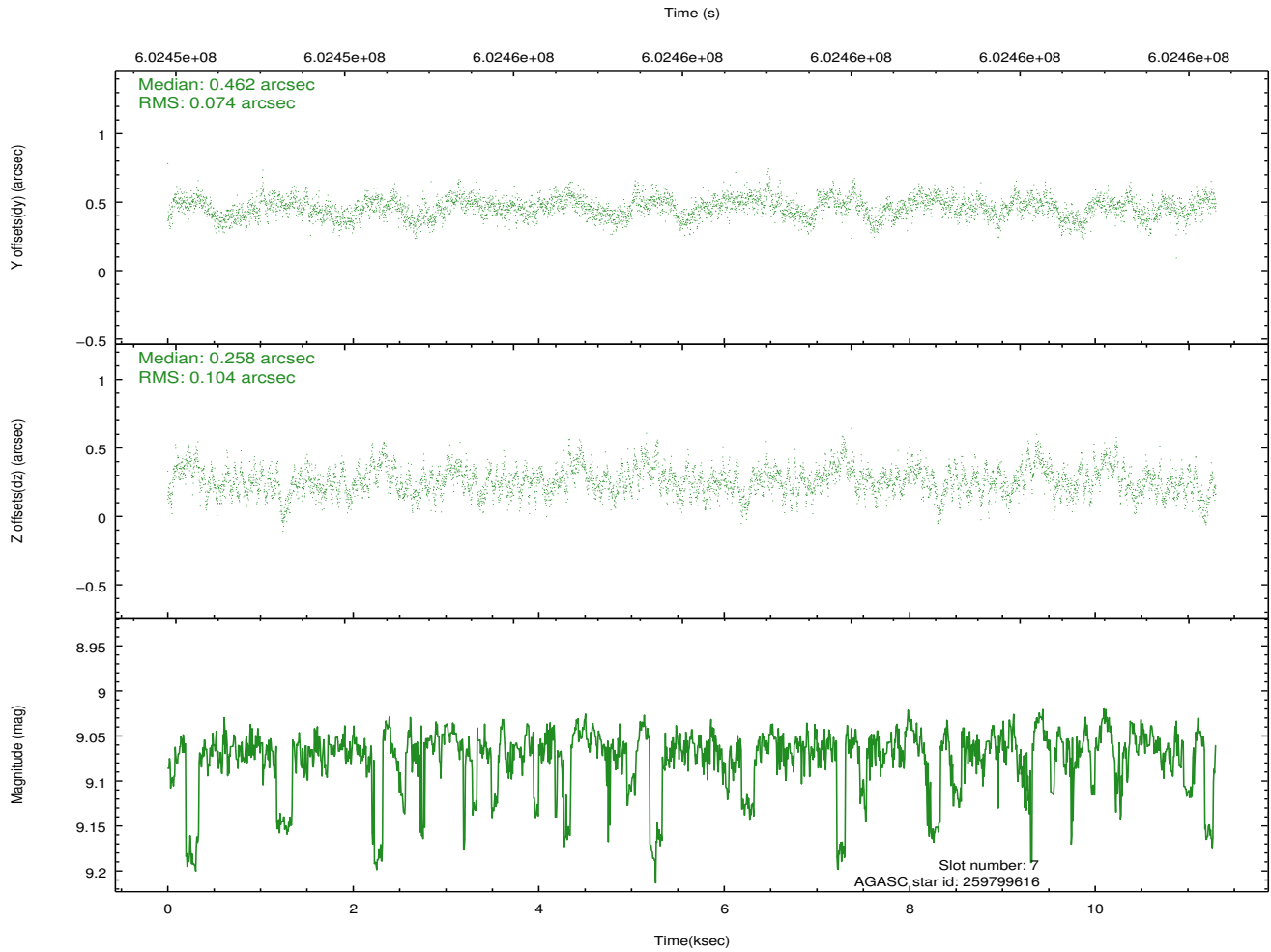
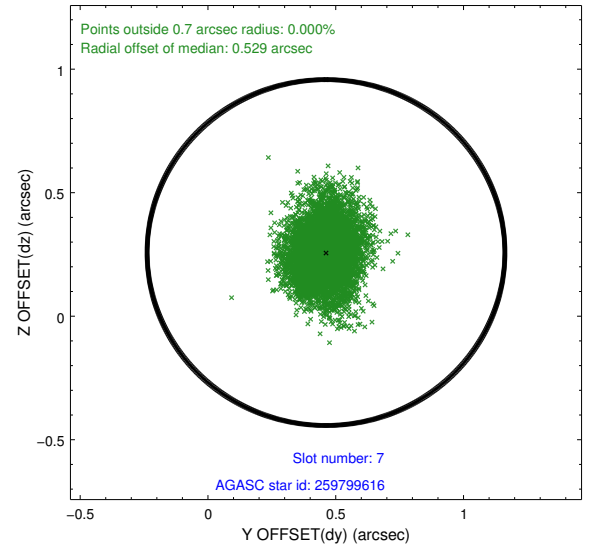
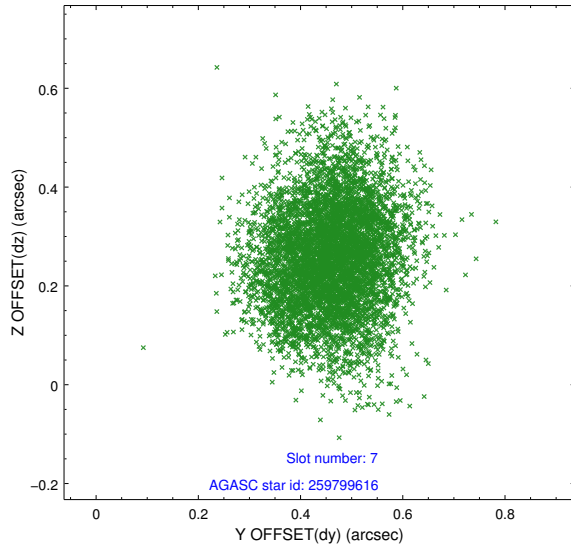
2.4.3 Slot 5



2.4.4 Slot 6

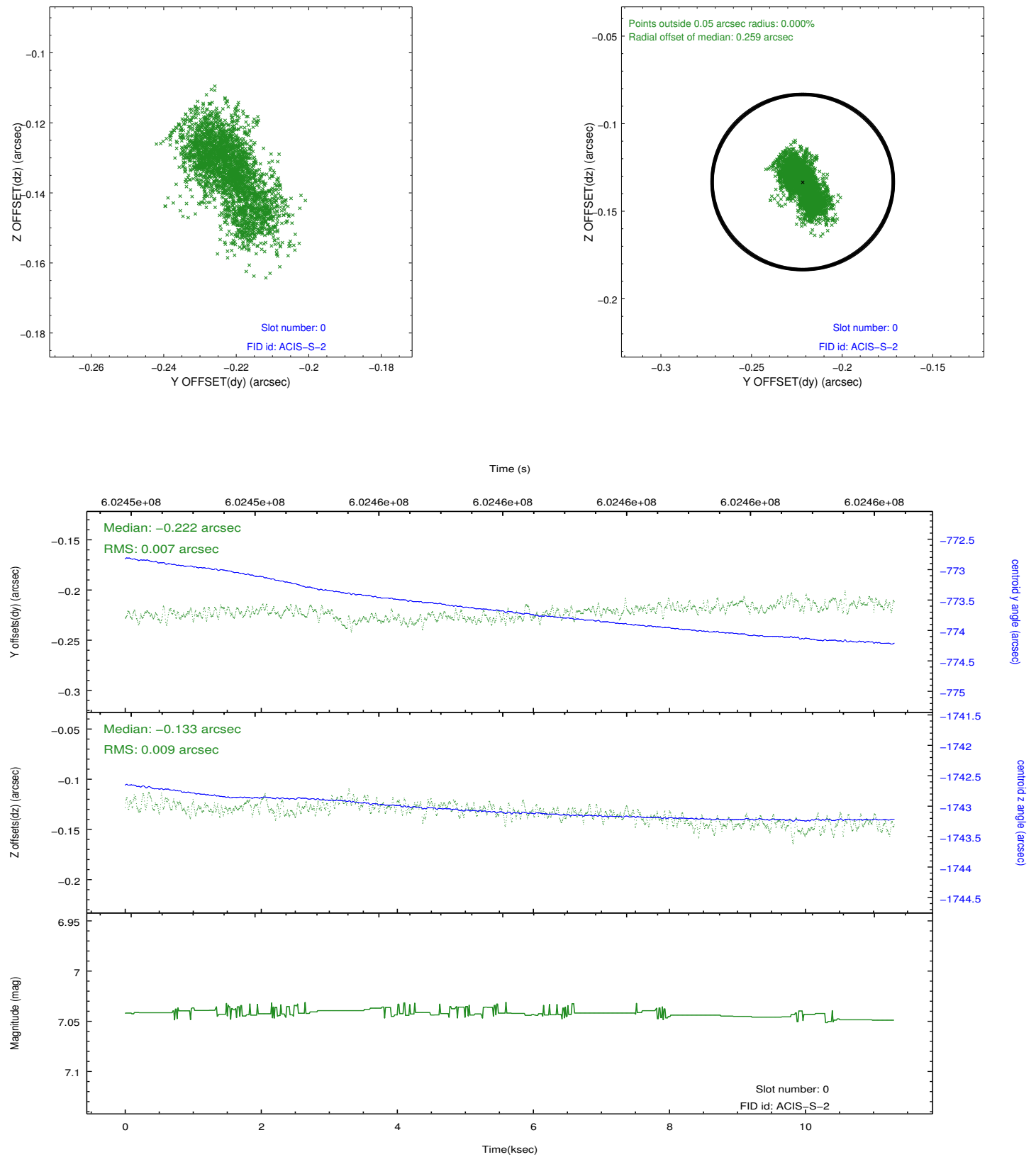


2.4.5 Slot 7

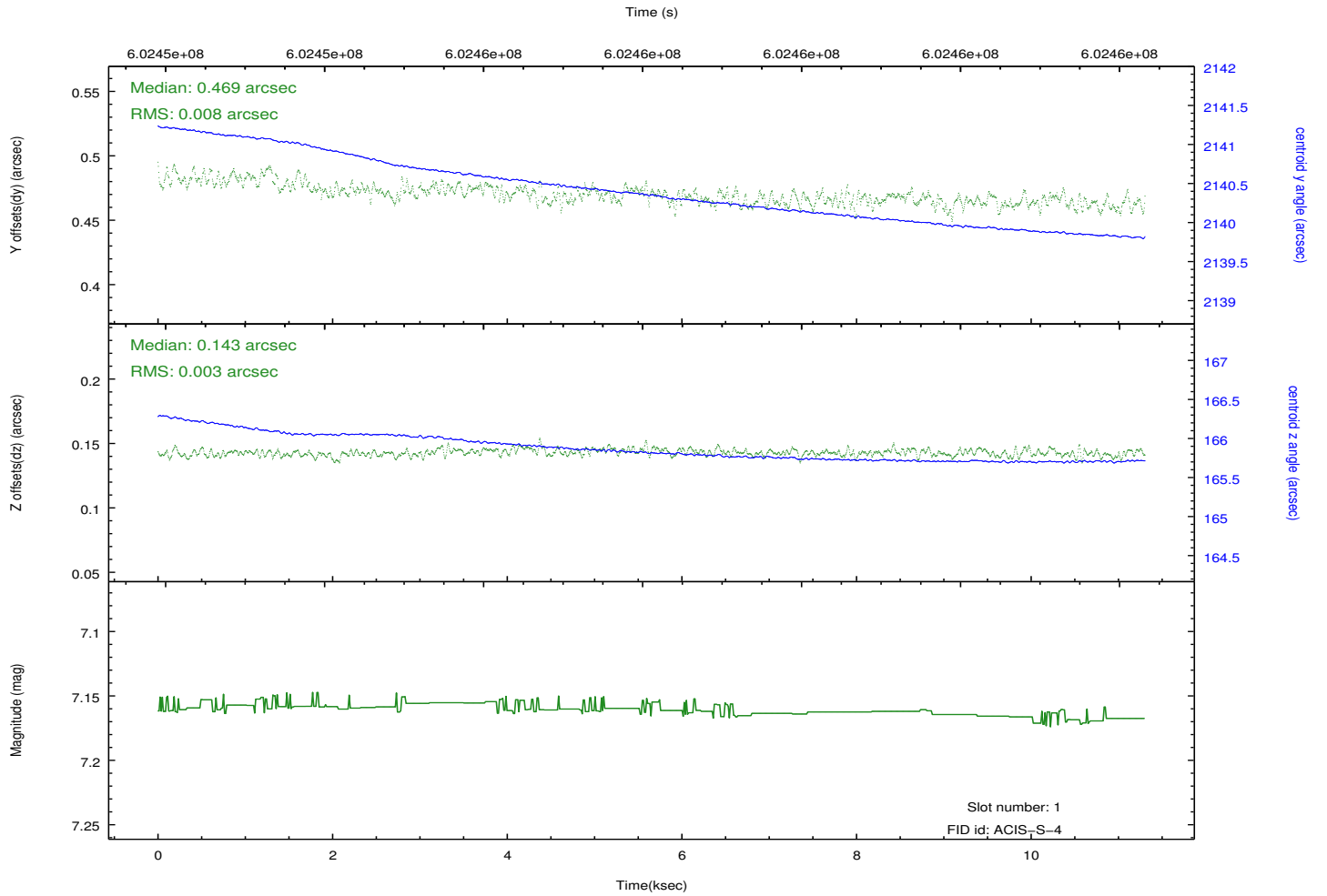
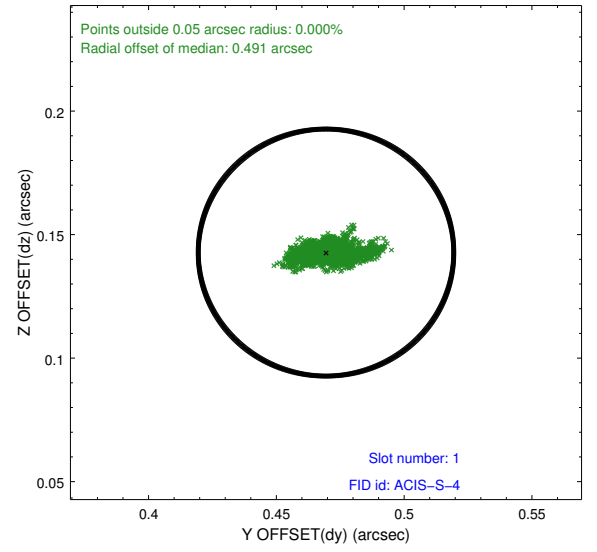
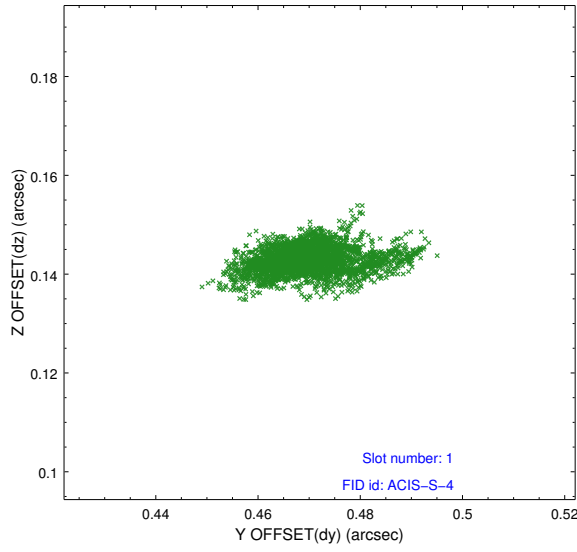


2.5 FID Slots

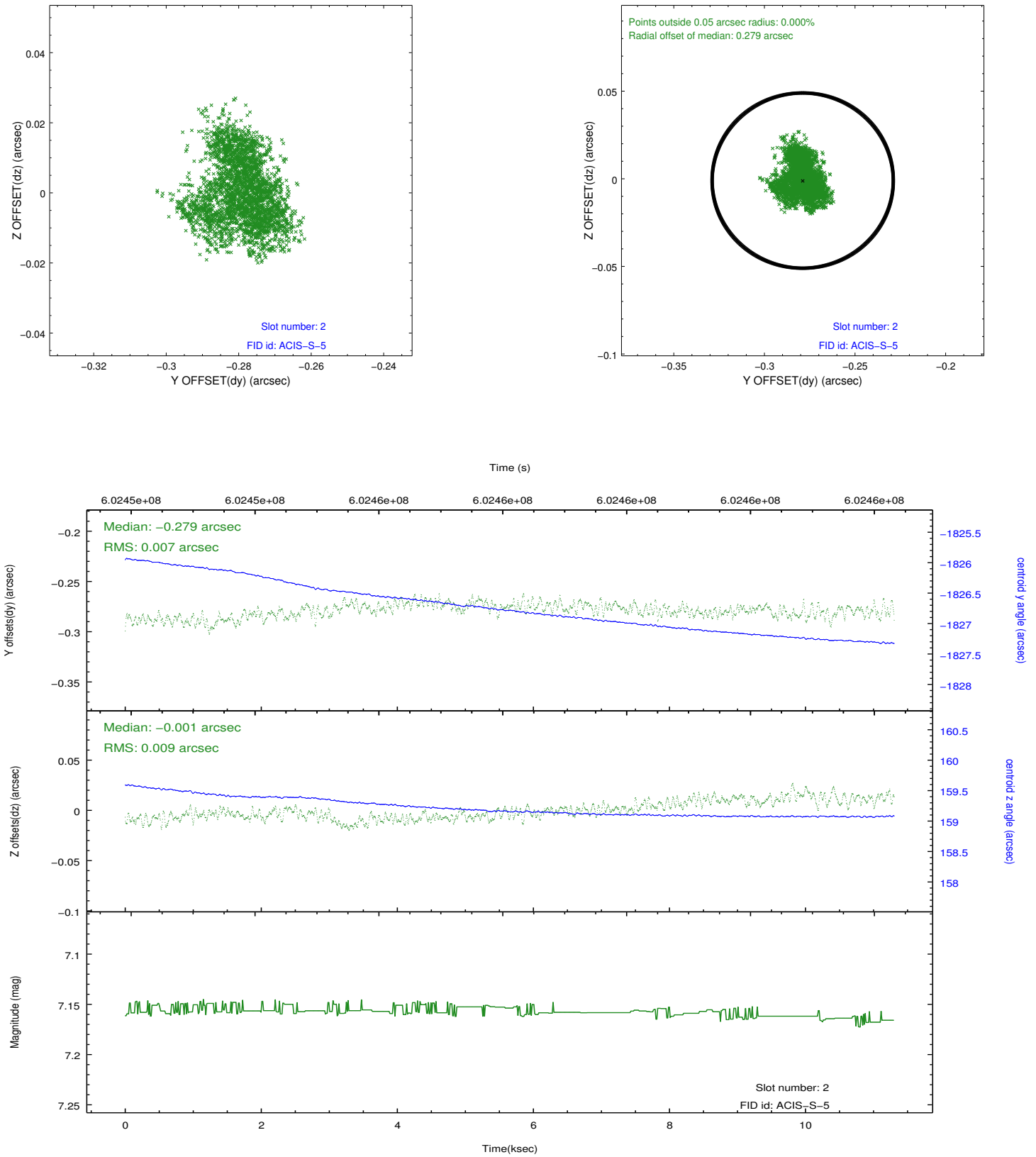
2.5.1 Slot 0



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)	2017.02.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.940800163031

A.2 Comments