

V&V Reference Report

L2 ASCDS Version : 10.4.3

Observation 18159 - L2 Version 1
Chandra X-Ray Center

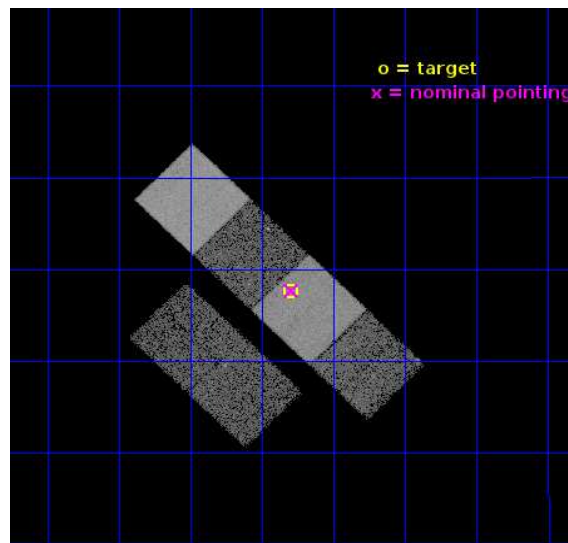
L2 Processing Date : Jan 10 2016

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1 Front

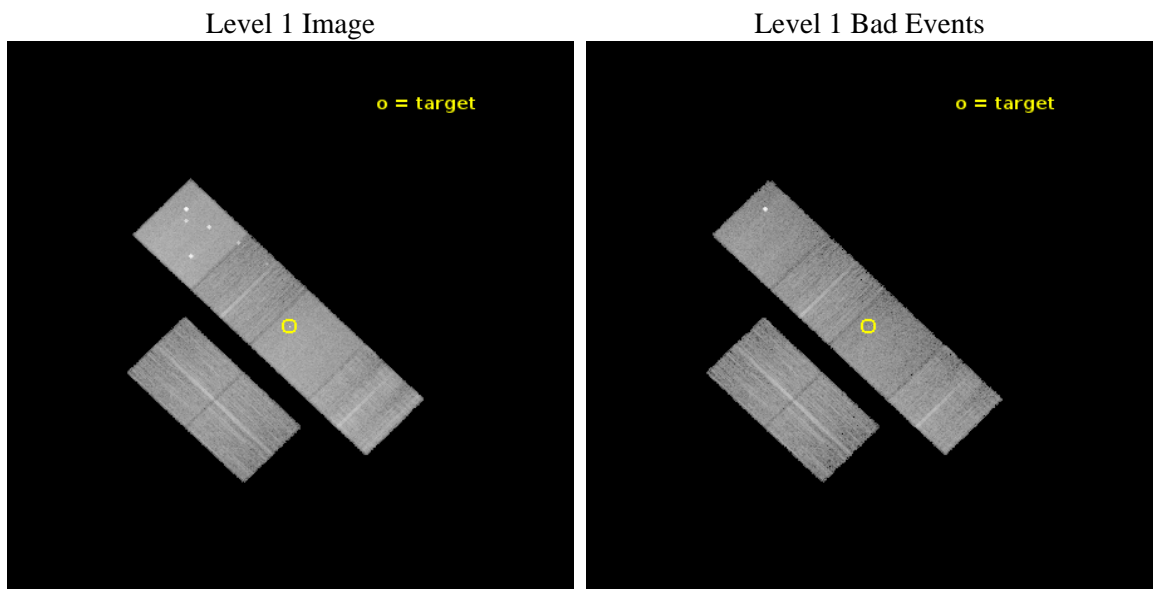
seq_num	703224	Sequence number
obs_id	18159	Observation id
title	Chandra Legacy Survey of Merger Driven AGN Activation in Nearby X-ray Selected AGN	Proposal title
observer	Dr Michael Koss	Principal investigator
object	2MASX J08384815+0407340	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	129.700833	Observer's specified target RA [deg]
dec_targ	4.126139	Observer's specified target Dec [deg]
ra_nom	129.69923576551	Nominal RA [deg]
dec_nom	4.1279314046202	Nominal Dec [deg]
roll_nom	44.550335683822	Nominal Roll [deg]
revision	1	Processing version of data
ontime	14959.390637279	Sum of GTIs [s]
livetime	14769.965825566	Livetime [s]
ontime2	14959.431677222	Sum of GTIs [s]
ontime3	14959.267517209	Sum of GTIs [s]
ontime5	14959.349597216	Sum of GTIs [s]
ontime6	14959.308557272	Sum of GTIs [s]
ontime7	14959.390637279	Sum of GTIs [s]
ontime8	14959.226477265	Sum of GTIs [s]
l2events	148960	Number of level 2 events



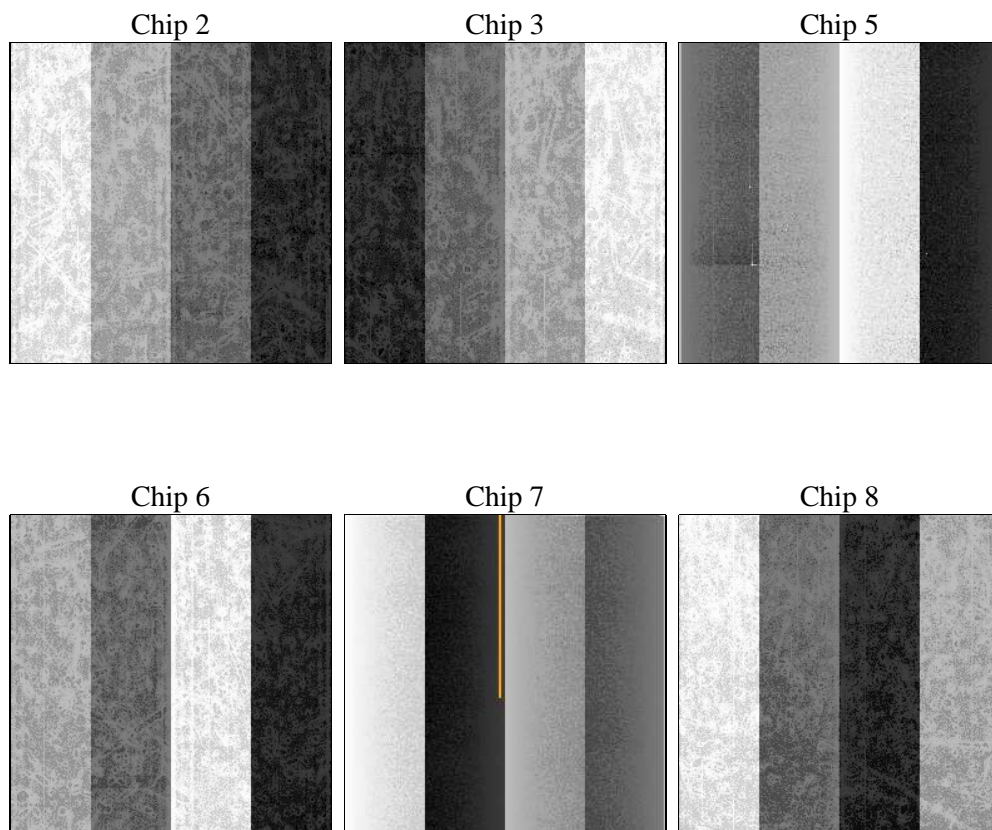
2 OBI

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	10.4.3	Processing system revision	ontime	14959.390637279	Sum of GTIs [s]
caldsver	4.7.0	 	ontime2	14959.431677222	Sum of GTIs [s]
date	2016-01-10T14:49:27	Date and time of file creation	ontime3	14959.267517209	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	14959.349597216	Sum of GTIs [s]
			ontime6	14959.308557272	Sum of GTIs [s]
			ontime7	14959.390637279	Sum of GTIs [s]
			ontime8	14959.226477265	Sum of GTIs [s]
			l1events	639627	Number of level 1 events

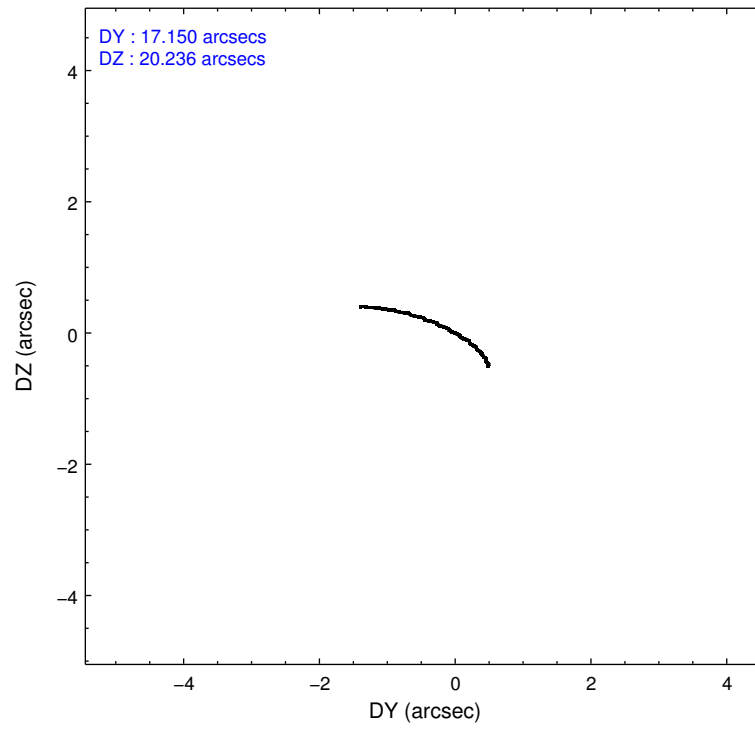
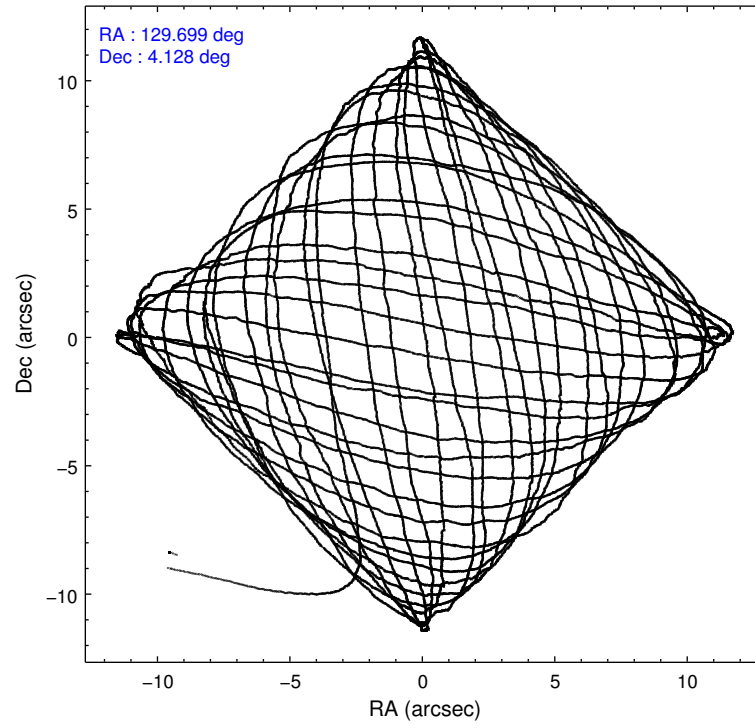
2.1.4 Events

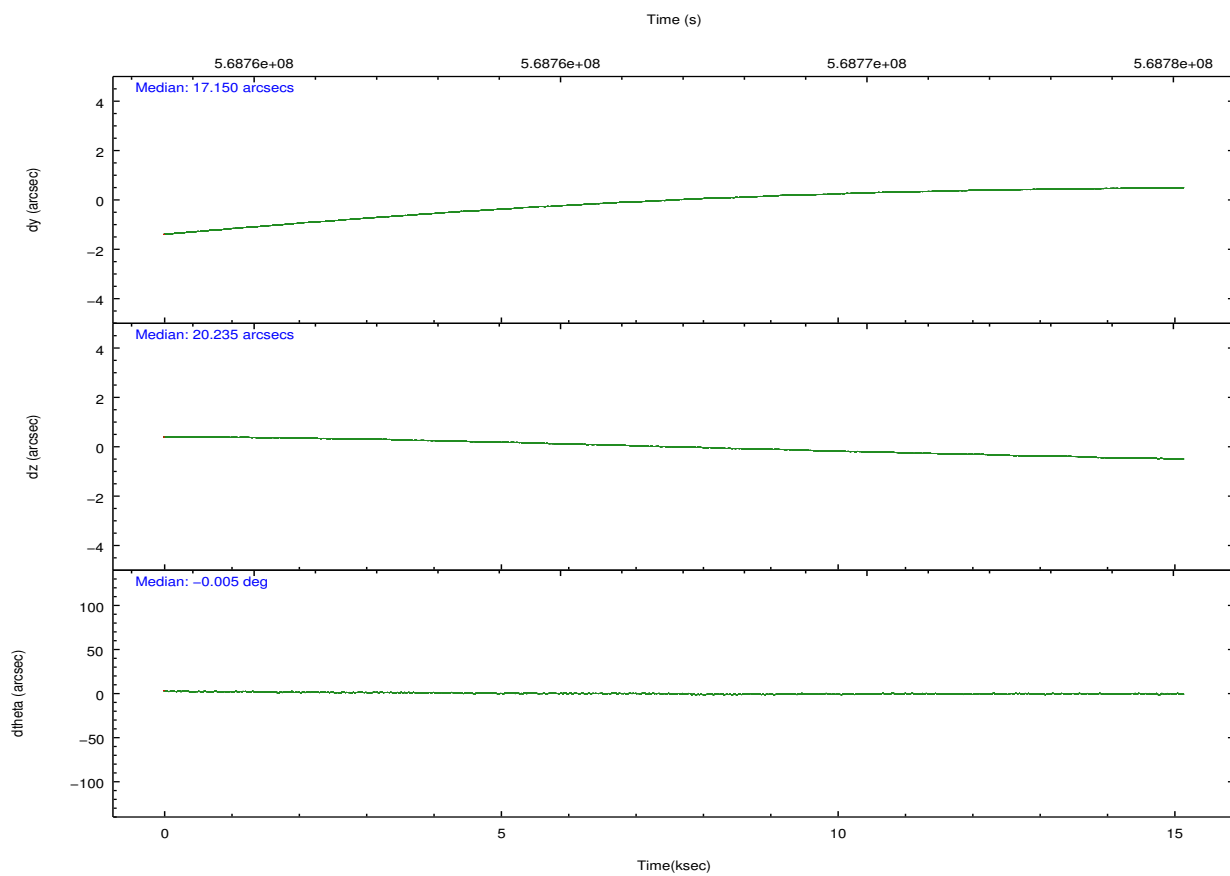
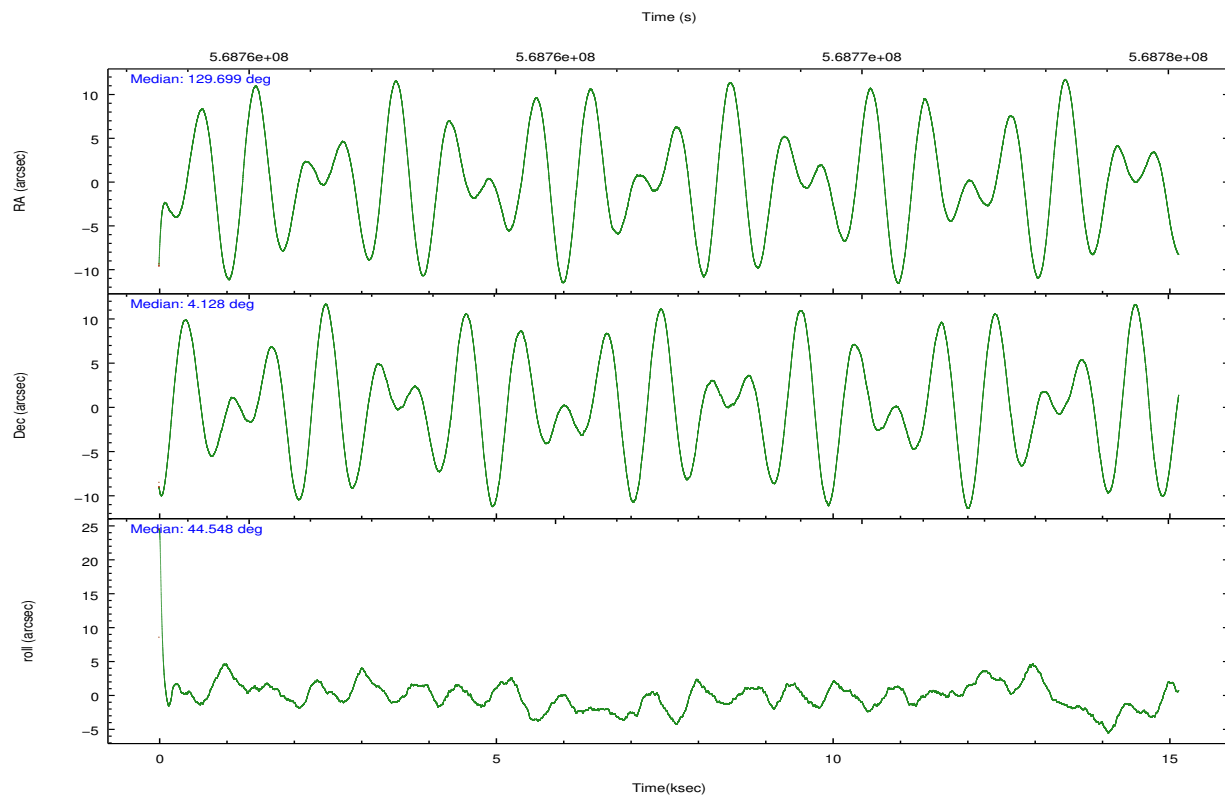
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	87191	83359	150148	86580	114933	117416	grade 0 events	3240	3090	10585	3542	4482	8867
rejected events	77724	74346	76337	76278	64186	85503		3%	3%	7%	4%	3%	7%
rejected %	89%	89%	50%	88%	55%	72%	grade 1 events	56	47	322	45	137	83
								0%	0%	0%	0%	0%	0%
							grade 2 events	2407	2021	21530	2356	10562	7820
								2%	2%	14%	2%	9%	6%
							grade 3 events	906	954	2376	1030	4152	3402
								1%	1%	1%	1%	3%	2%
							grade 4 events	948	992	2216	1080	4280	3254
								1%	1%	1%	1%	3%	2%
							grade 5 events	3782	4288	10372	4501	11534	6448
								4%	5%	6%	5%	10%	5%
							grade 6 events	1969	1958	37125	2295	27285	8570
								2%	2%	24%	2%	23%	7%
							grade 7 events	73883	70009	65622	71731	52501	78972
								84%	83%	43%	82%	45%	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	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	129.692276	129.6992357655071	CCD I2 on	O2	Y
[deg] Pointing Dec	4.101388	4.127931404620223	CCD I3 on	O3	Y
[deg] Pointing Roll	44.394189	44.55033568382213	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O4	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	O5	Y
[s] Observation start time (MET)	568759426.184000	568758229.59575	CCD S5 on	N	N
Observation start date	2016-01-09T20:42:38	2016-01-09T20:23:49	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	568774426.184000	568774664.44669	On-chip summing requested	N	N
Observation end date	2016-01-10T00:52:38	2016-01-10T00:57:44	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



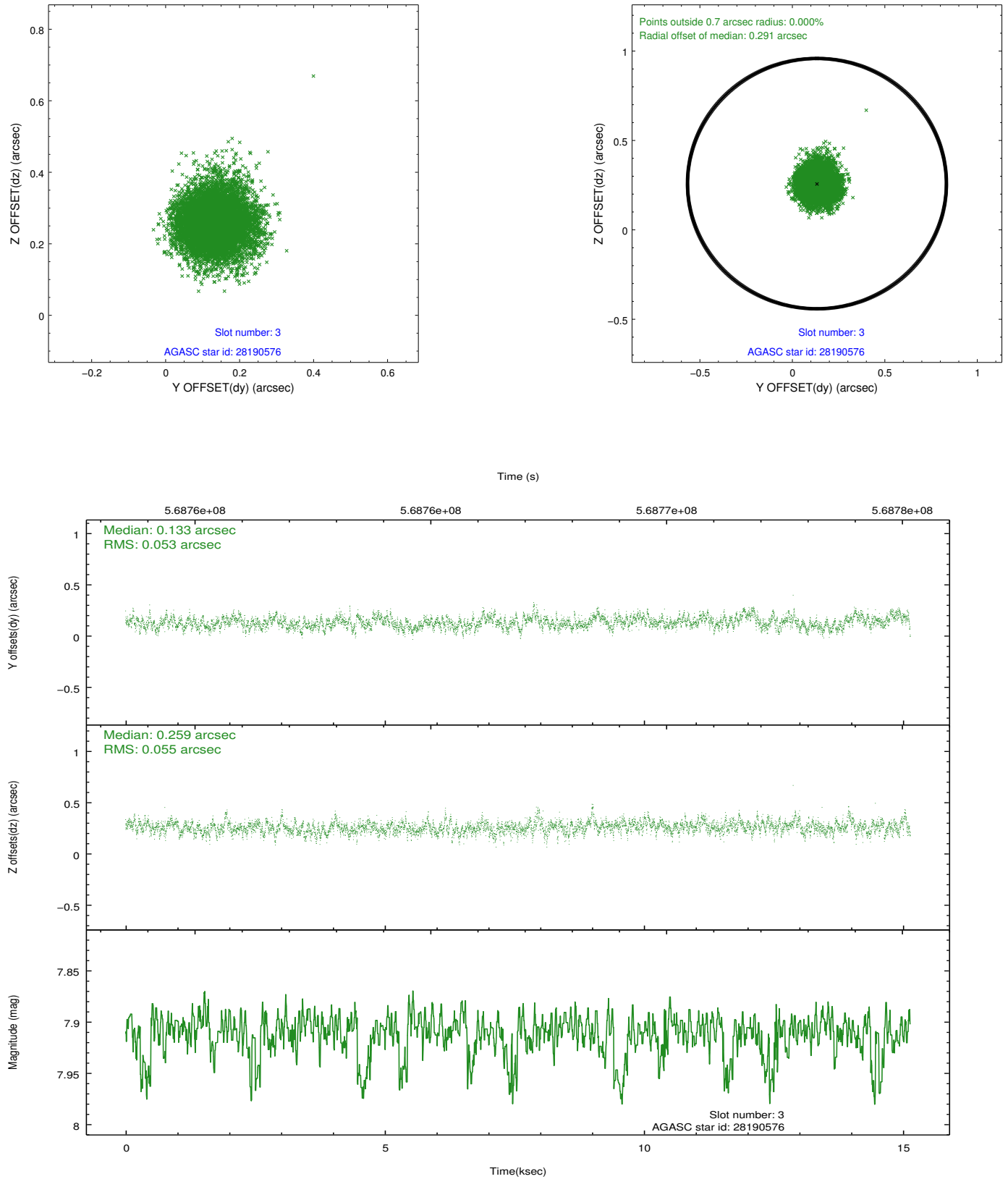


Slot Statistics

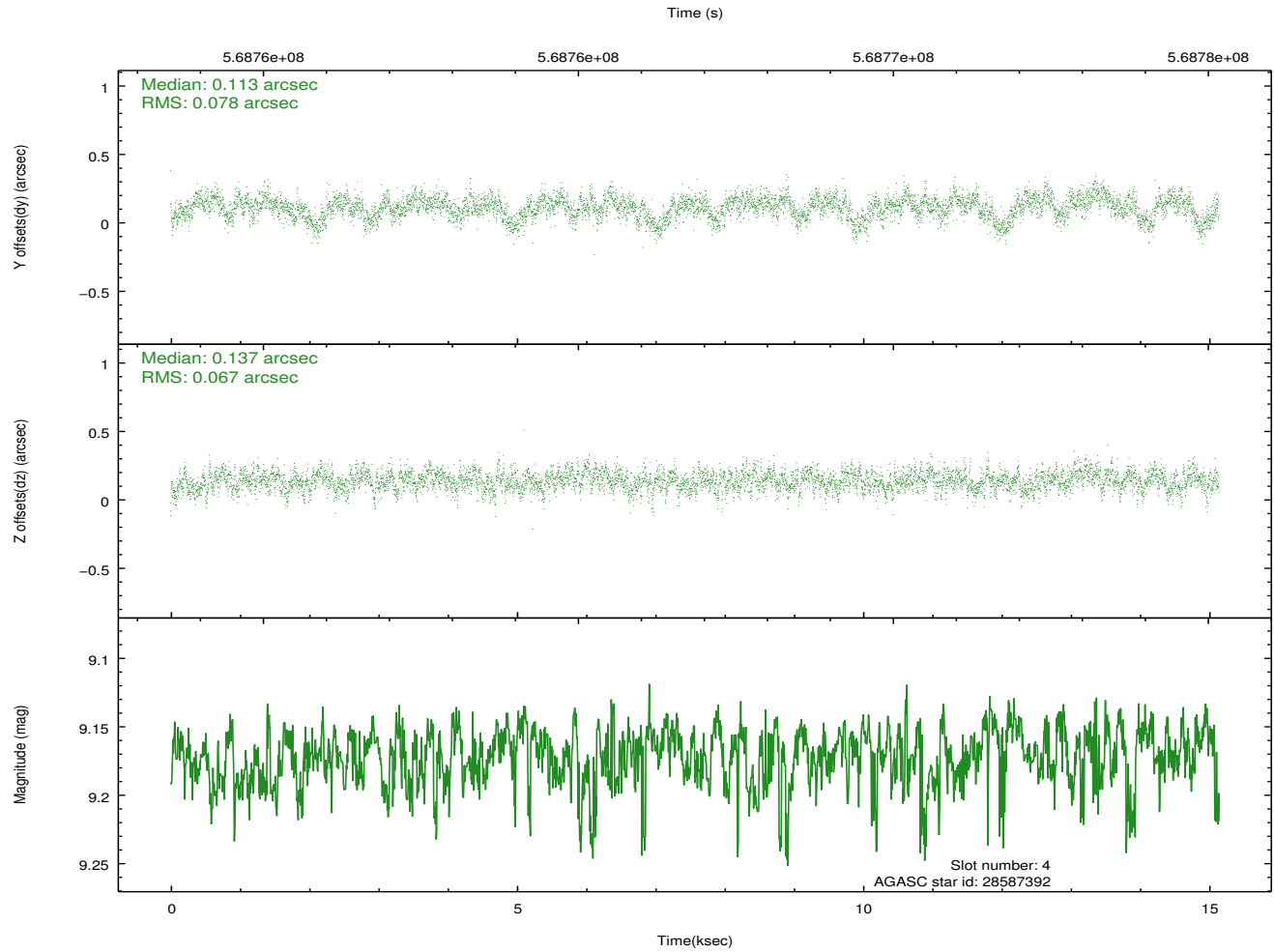
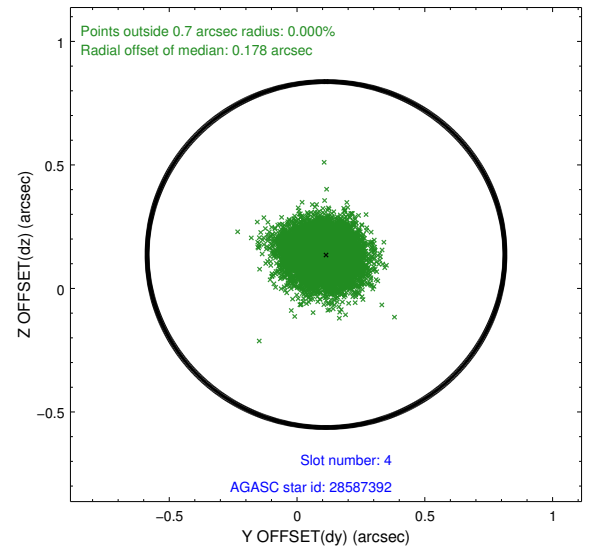
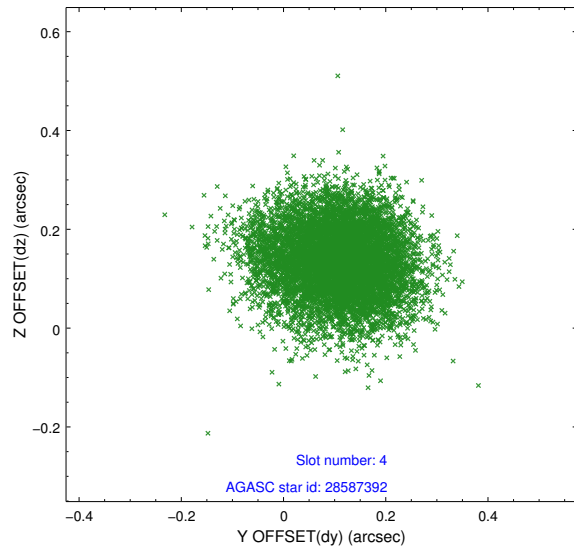
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.11	3693	-0.174	-0.100	0.011	0.026	0.000000	0.000000	-770.17	-1741.85
1	FID		ACIS-S-4	7.22	3694	0.415	0.111	0.014	0.020	0.000000	0.000000	2143.54	166.56
2	FID		ACIS-S-5	7.23	3693	-0.274	-0.002	0.019	0.035	0.000000	0.000000	-1822.75	160.41
3	GUIDE	used	28190576	7.91	7385	0.133	0.259	0.081	0.131	129.942175	3.544946	-759.18	-2059.14
4	GUIDE	used	28587392	9.17	7381	0.113	0.137	0.110	0.178	129.084963	3.957523	-1919.96	1156.32
5	GUIDE	used	28709288	8.92	7383	-0.266	-0.248	0.124	0.203	129.703406	4.941965	2145.37	2134.49
6	GUIDE	used	28713864	8.89	7384	0.043	0.045	0.130	0.276	130.056219	4.399745	1685.68	-145.17
7	GUIDE	used	28714096	8.06	7381	-0.021	-0.197	0.081	0.133	129.471825	3.938337	-975.76	134.40

2.4 Star Slots

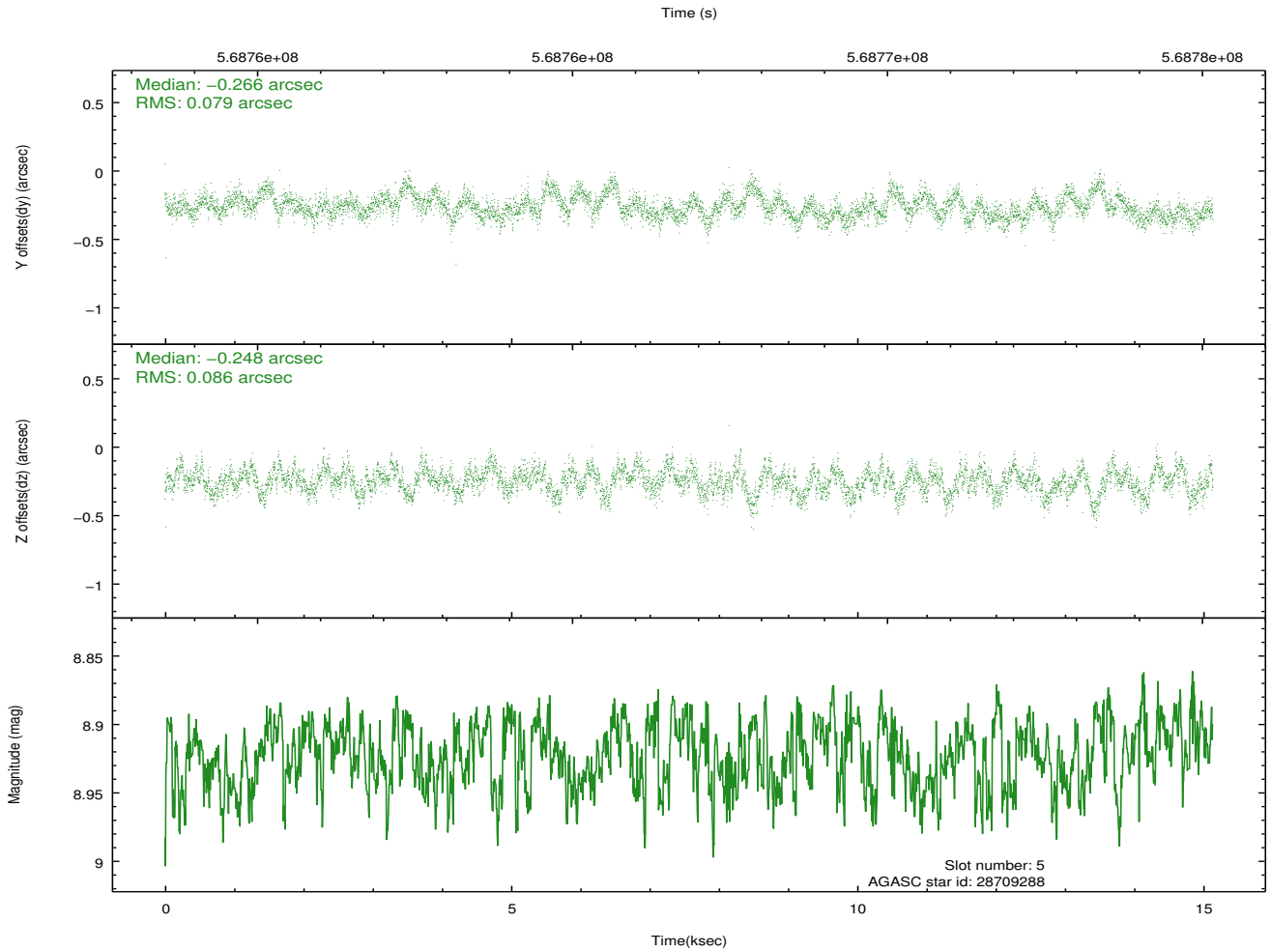
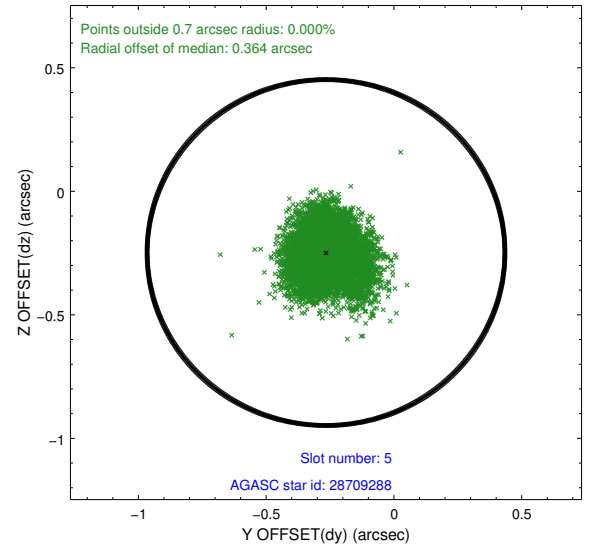
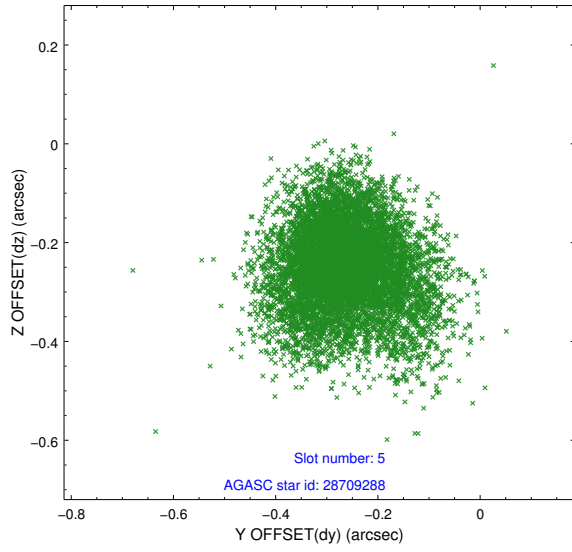
2.4.1 Slot 3



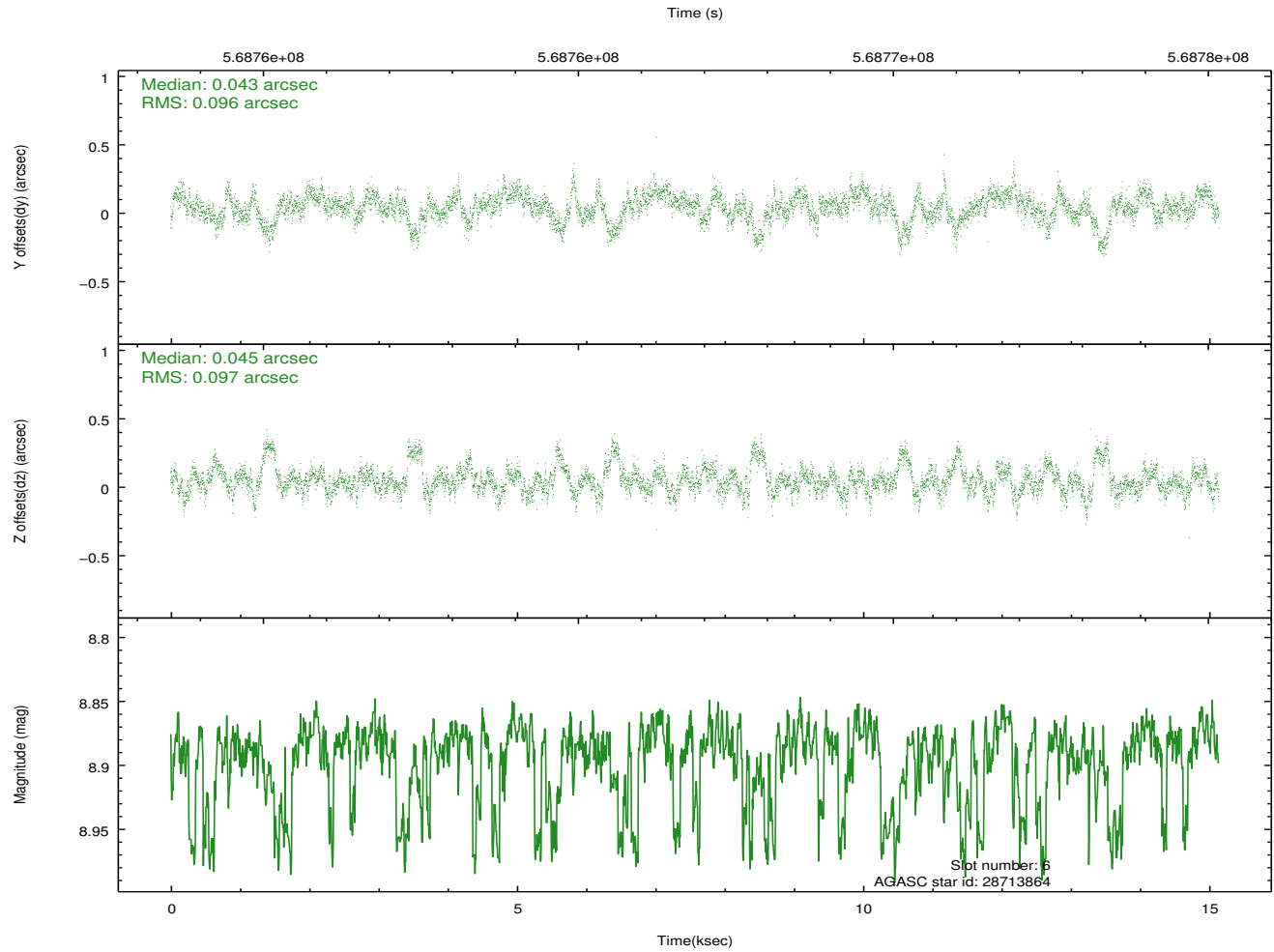
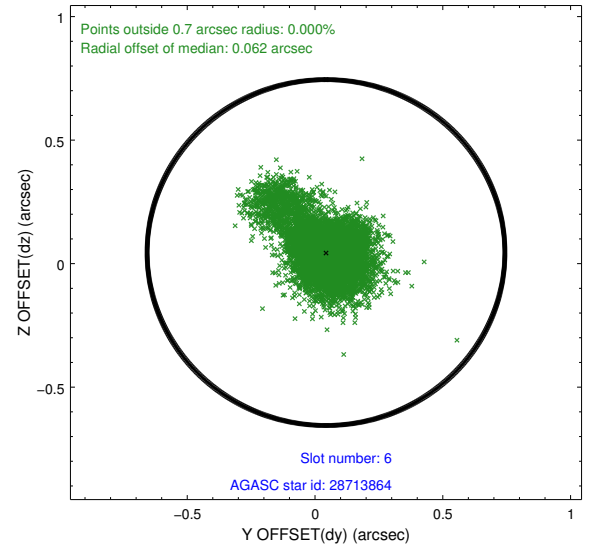
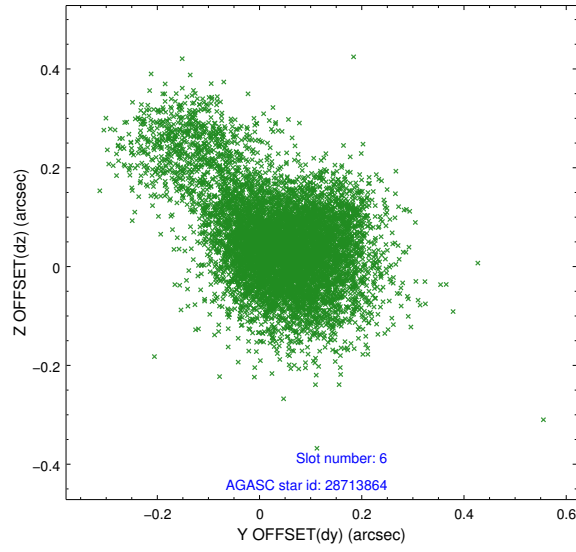
2.4.2 Slot 4



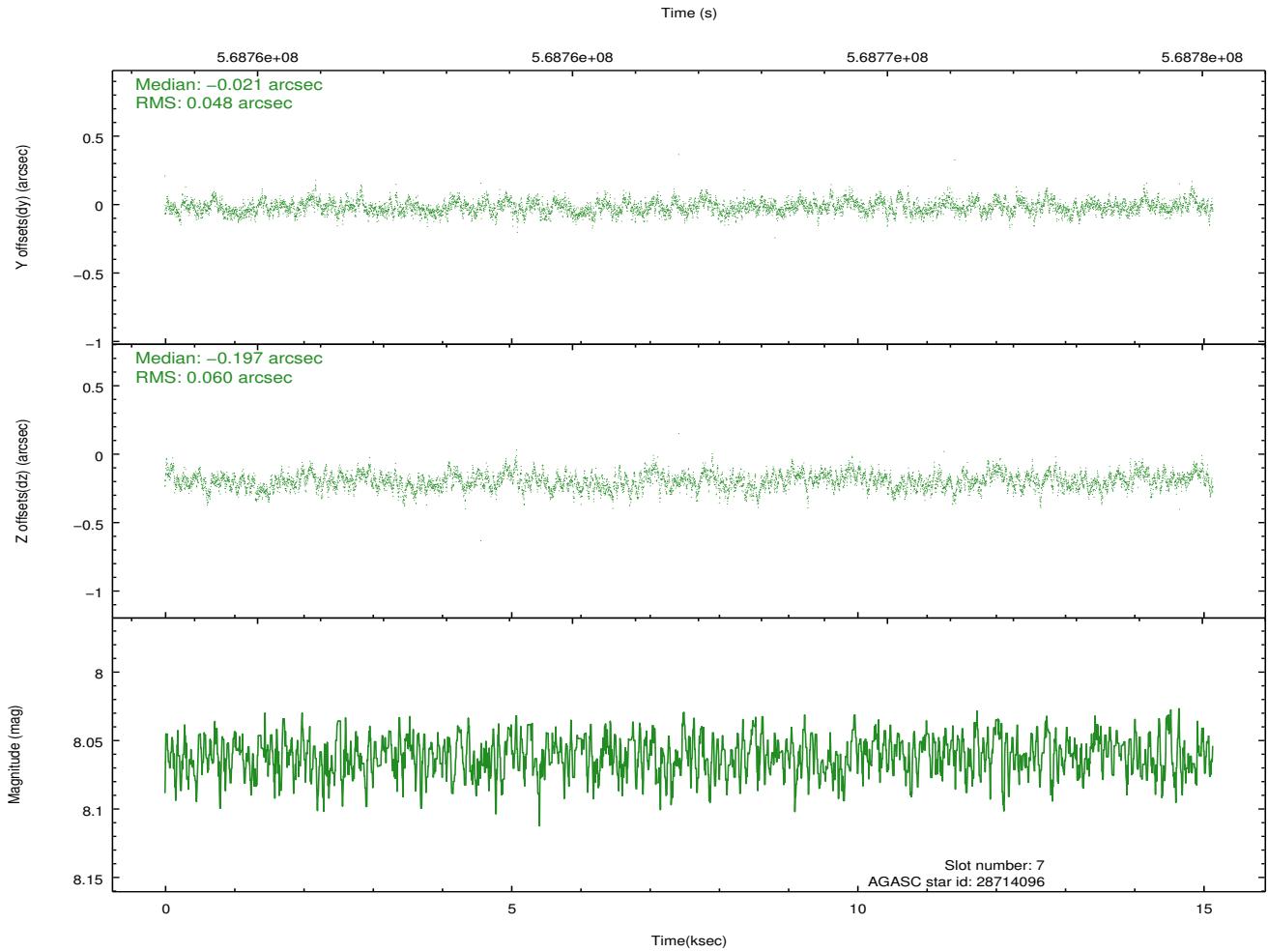
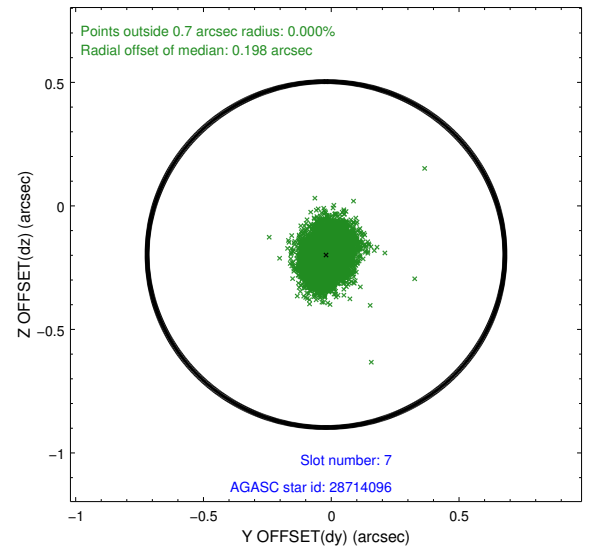
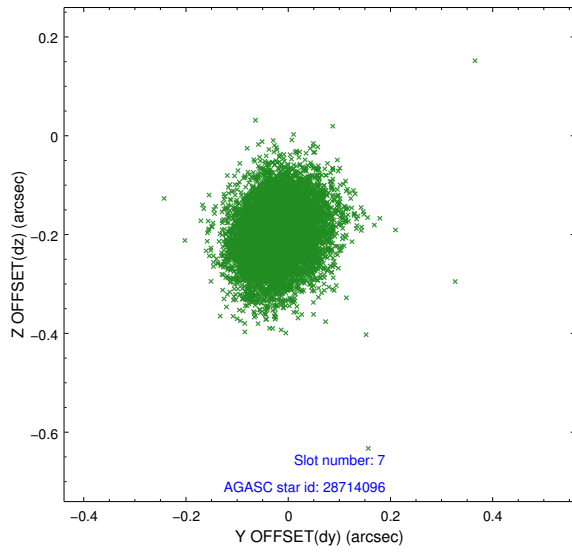
2.4.3 Slot 5



2.4.4 Slot 6

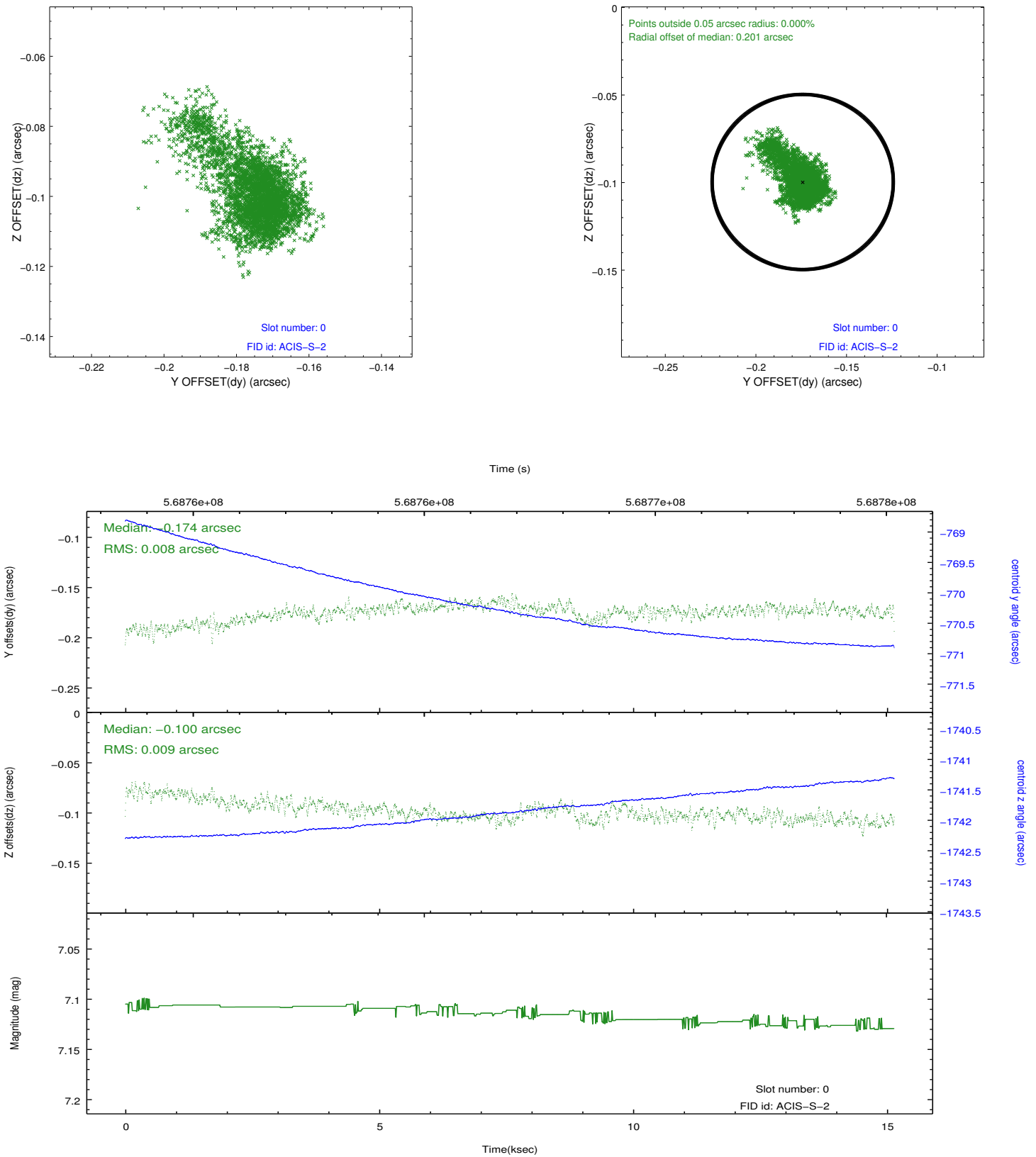


2.4.5 Slot 7

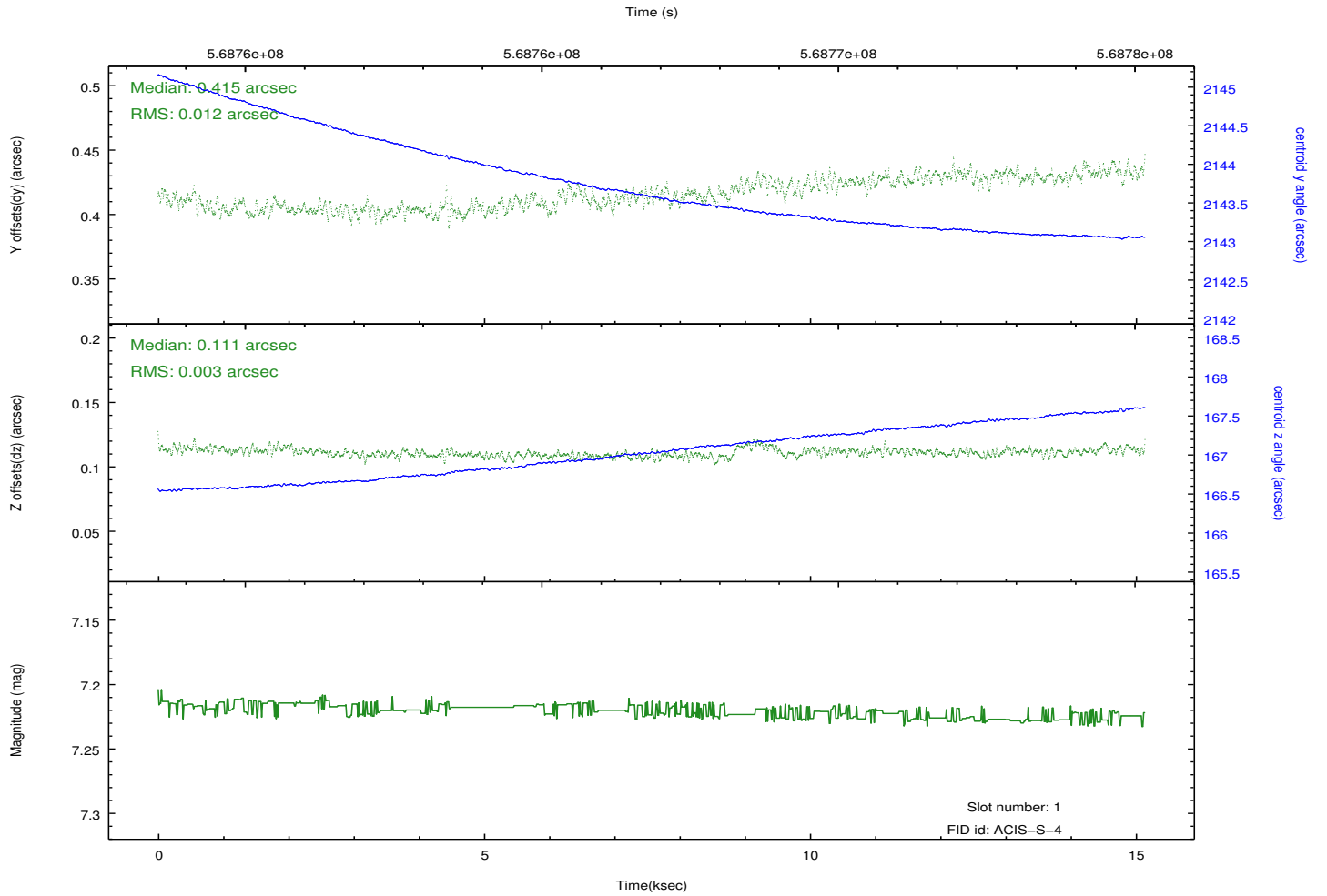
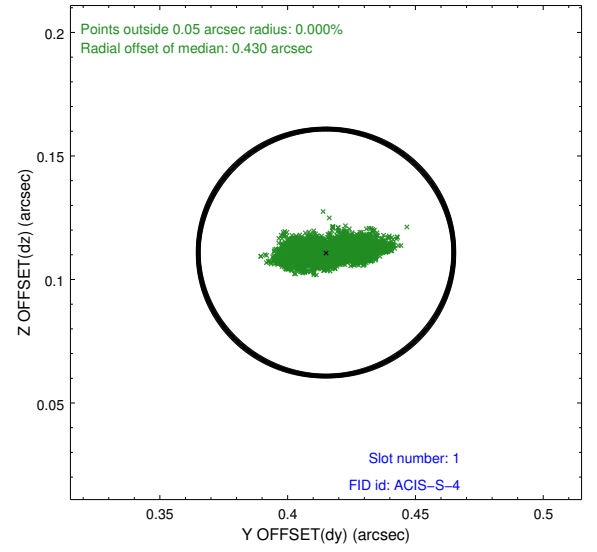
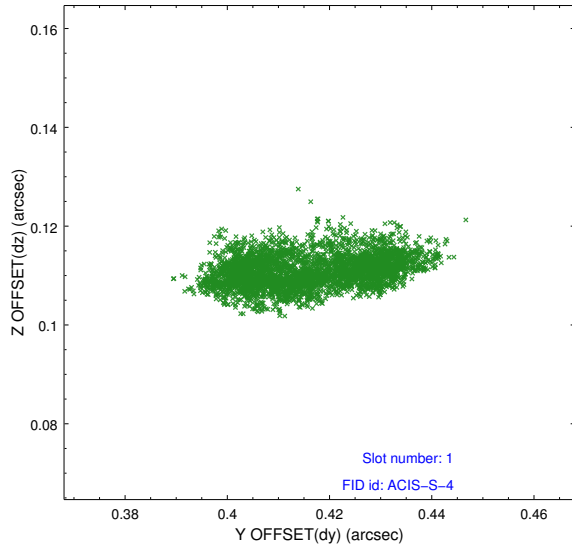


2.5 FID Slots

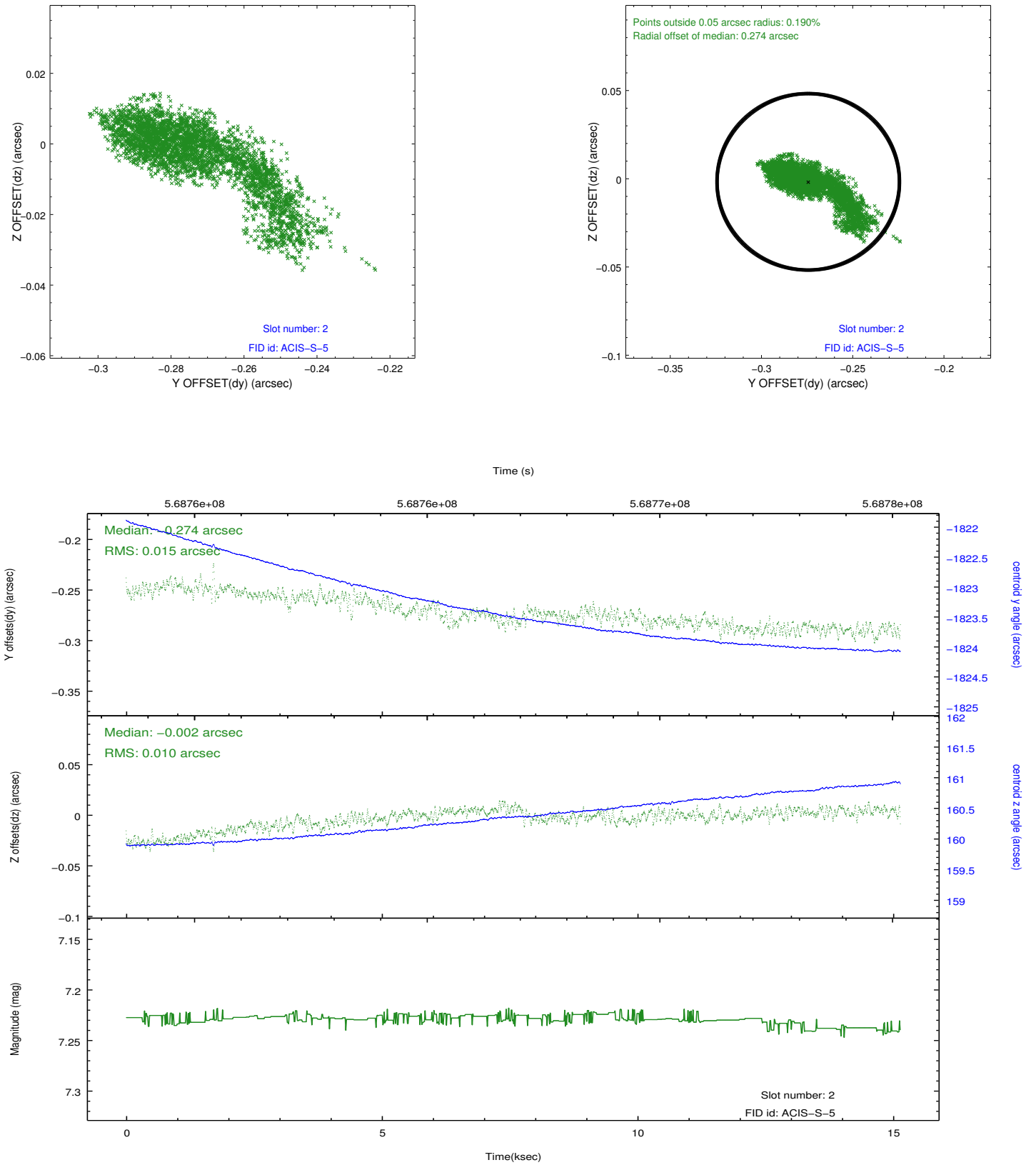
2.5.1 Slot 0



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)	2016.01.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.959390637279

A.2 Comments