

V&V Reference Report

L2 ASCDS Version : 10.4.3

Observation 16821 - L2 Version 1
Chandra X-Ray Center

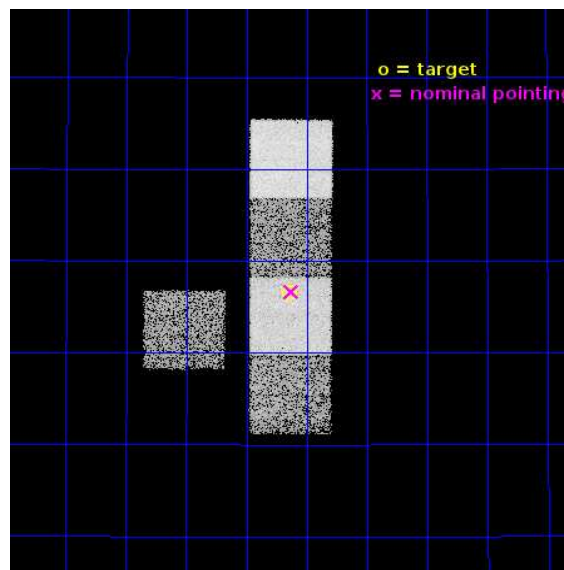
L2 Processing Date : Jan 4 2016

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1 Front

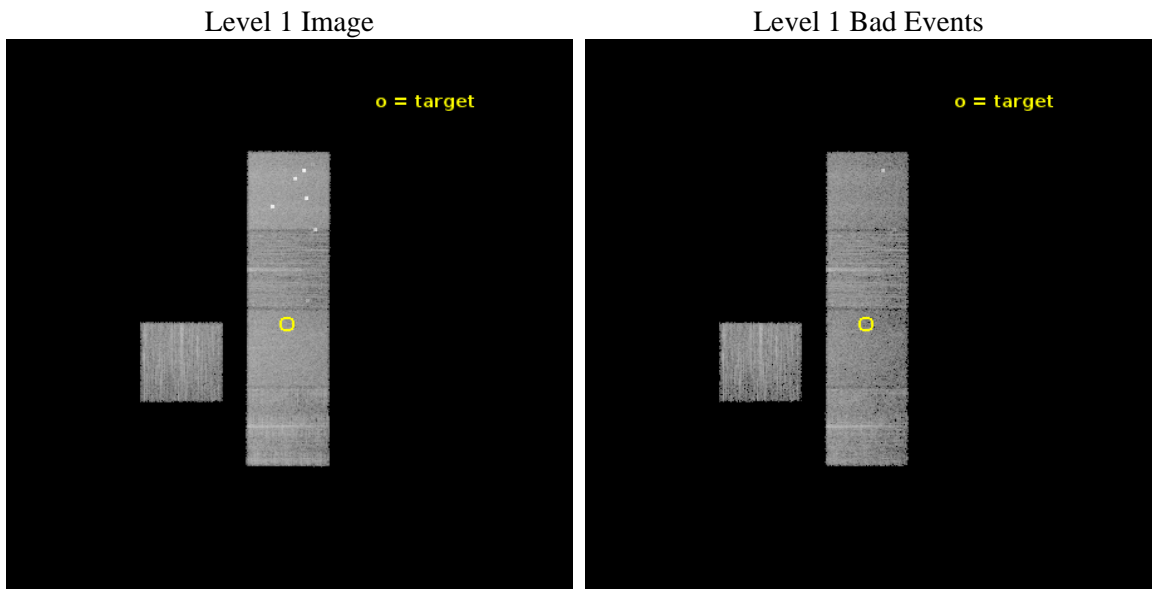
seq_num	502339	Sequence number
obs_id	16821	Observation id
title	Energetics and Environment of Hydrogen-poor Core-Collapse SNe	Prop
observer	Dr Raffaella Margutti	Principal investigator
object	PSN J10520833+3256394	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	163.034708	Observer's specified target RA [deg]
dec_targ	32.944278	Observer's specified target Dec [deg]
ra_nom	163.03180066703	Nominal RA [deg]
dec_nom	32.944451769264	Nominal Dec [deg]
roll_nom	90.158190622765	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10055.076596975	Sum of GTIs [s]
livetime	9923.6996187961	Livetime [s]
ontime3	10054.953477025	Sum of GTIs [s]
ontime5	10055.035557032	Sum of GTIs [s]
ontime6	10054.994516969	Sum of GTIs [s]
ontime7	10055.076596975	Sum of GTIs [s]
ontime8	10054.912436962	Sum of GTIs [s]
l2events	91869	Number of level 2 events



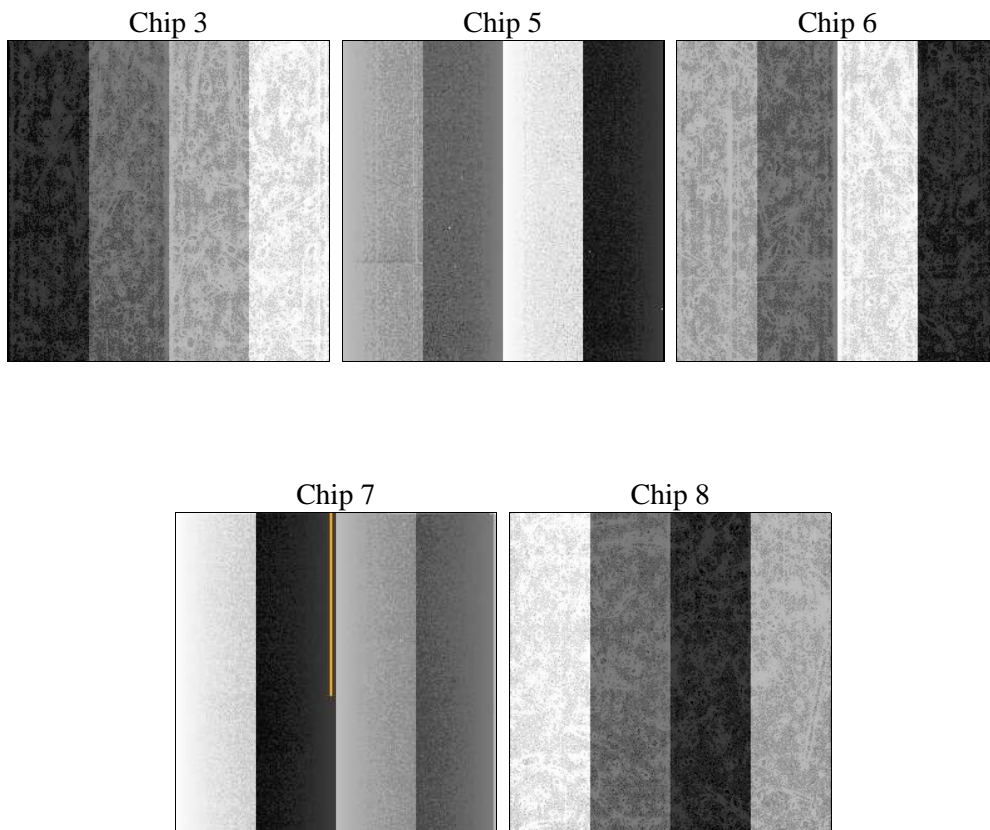
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3	Processing system revision	ontime	10055.076596975	Sum of GTIs [s]
caldbver	4.7.0	 	ontime3	10054.953477025	Sum of GTIs [s]
date	2016-01-04T23:59:29	Date and time of file creation	ontime5	10055.035557032	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	10054.994516969	Sum of GTIs [s]
			ontime7	10055.076596975	Sum of GTIs [s]
			ontime8	10054.912436962	Sum of GTIs [s]
			l1events	377485	Number of level 1 events

2.1.4 Events

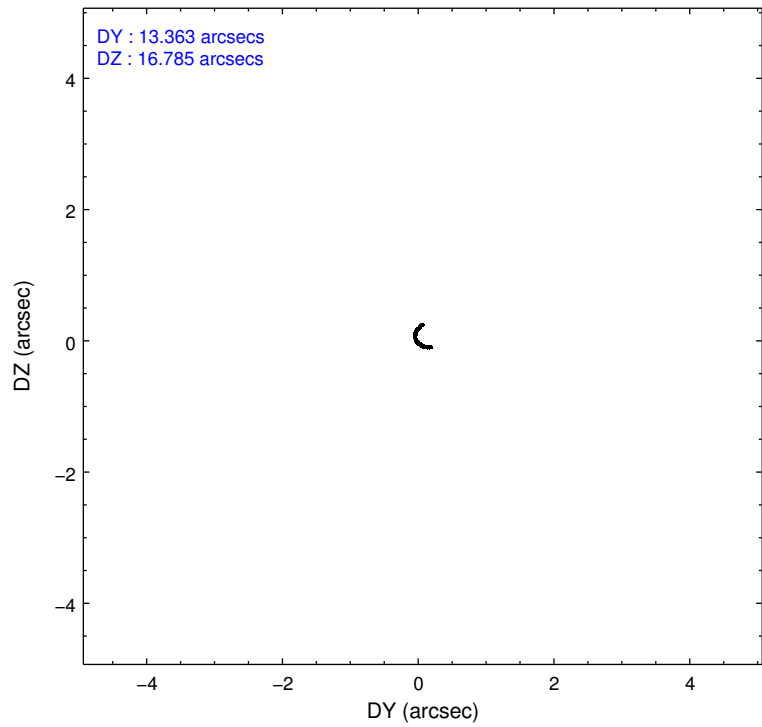
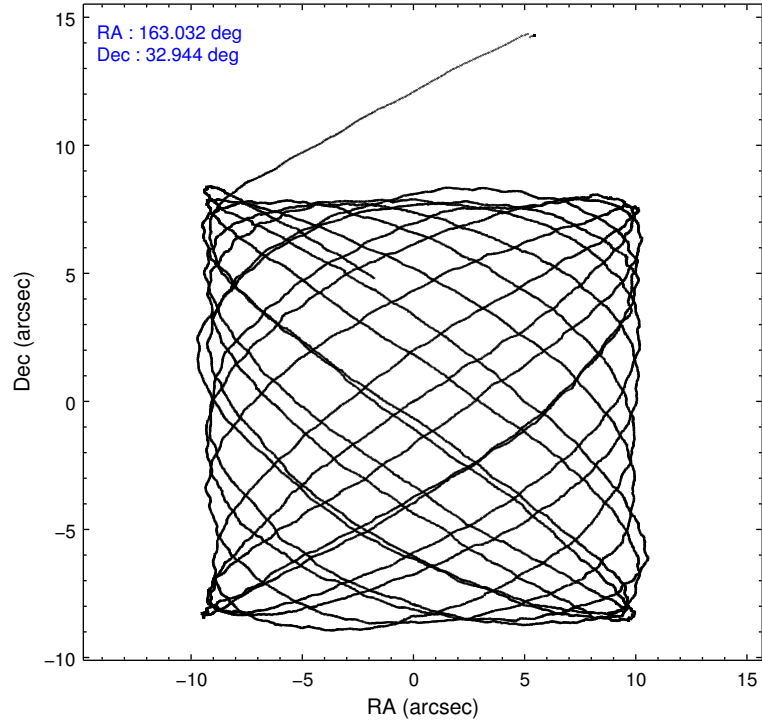
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	59187	106090	60921	76733	74554
rejected events	53120	50436	54017	43986	55056
rejected %	89%	47%	88%	57%	73%

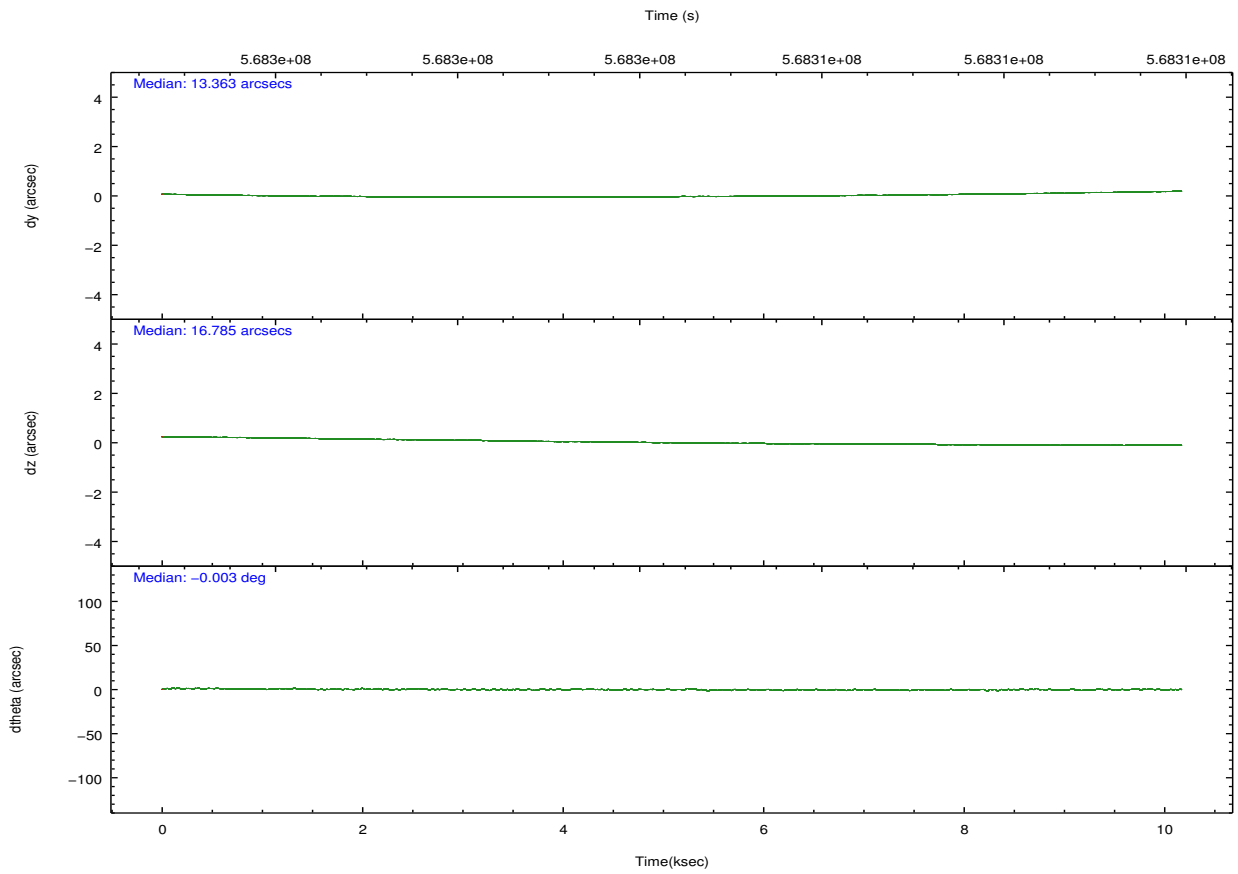
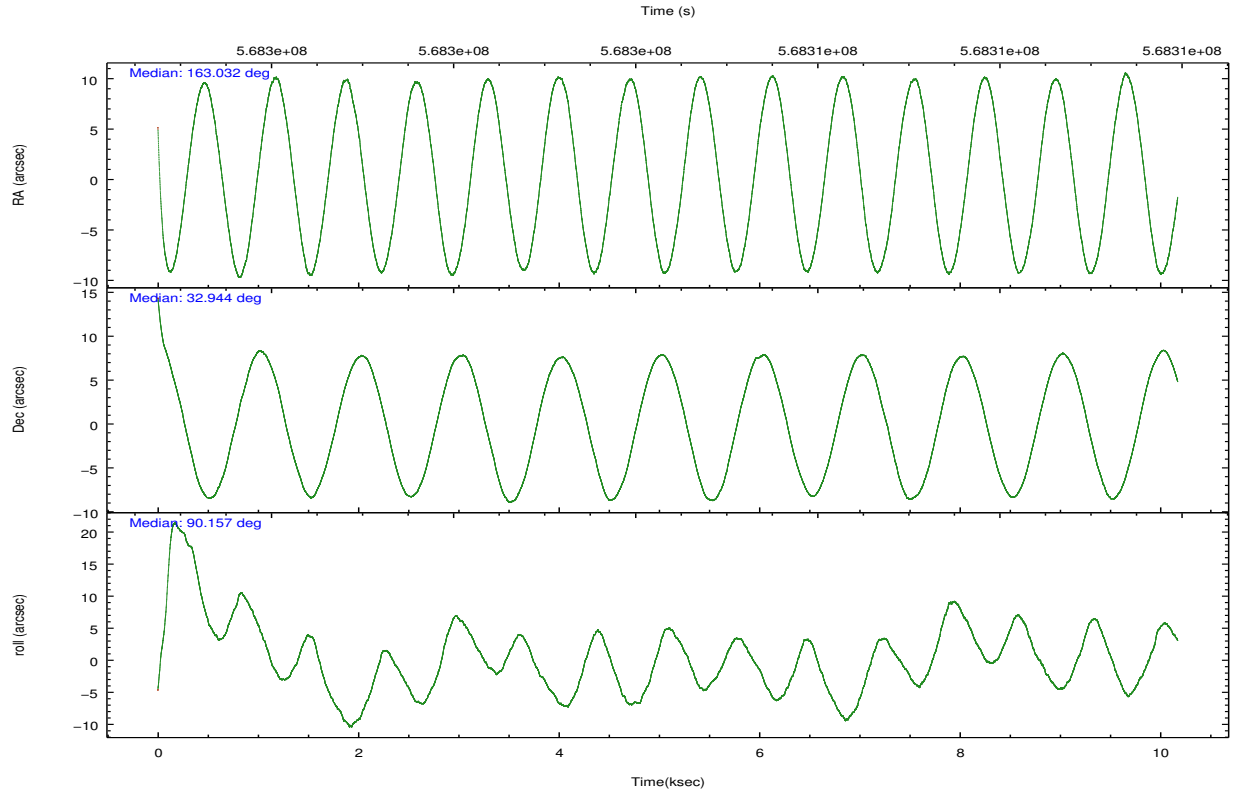
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	2036	12209	2354	2722	5473
	3%	11%	3%	3%	7%
grade 1 events	32	975	27	78	50
	0%	0%	0%	0%	0%
grade 2 events	1343	15731	1645	6982	4706
	2%	14%	2%	9%	6%
grade 3 events	674	1417	643	2453	2179
	1%	1%	1%	3%	2%
grade 4 events	667	1381	612	2347	2054
	1%	1%	1%	3%	2%
grade 5 events	2839	6169	2816	7337	4084
	4%	5%	4%	9%	5%
grade 6 events	1352	24958	1654	18266	5118
	2%	23%	2%	23%	6%
grade 7 events	50244	43250	51170	36548	50890
	84%	40%	83%	47%	68%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-35678	ACIS-35678	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	163.048655	163.0318006670299	CCD I2 on	N	N
[deg] Pointing Dec	32.920868	32.94445176926394	CCD I3 on	O1	Y
[deg] Pointing Roll	89.992422	90.15819062276508	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)	568299432.184000	568298271.58218	CCD S5 on	N	N
Observation start date	2016-01-04T12:56:04	2016-01-04T12:37:51	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	568309432.184000	568310166.70785	On-chip summing requested	N	N
Observation end date	2016-01-04T15:42:44	2016-01-04T15:56:06	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect





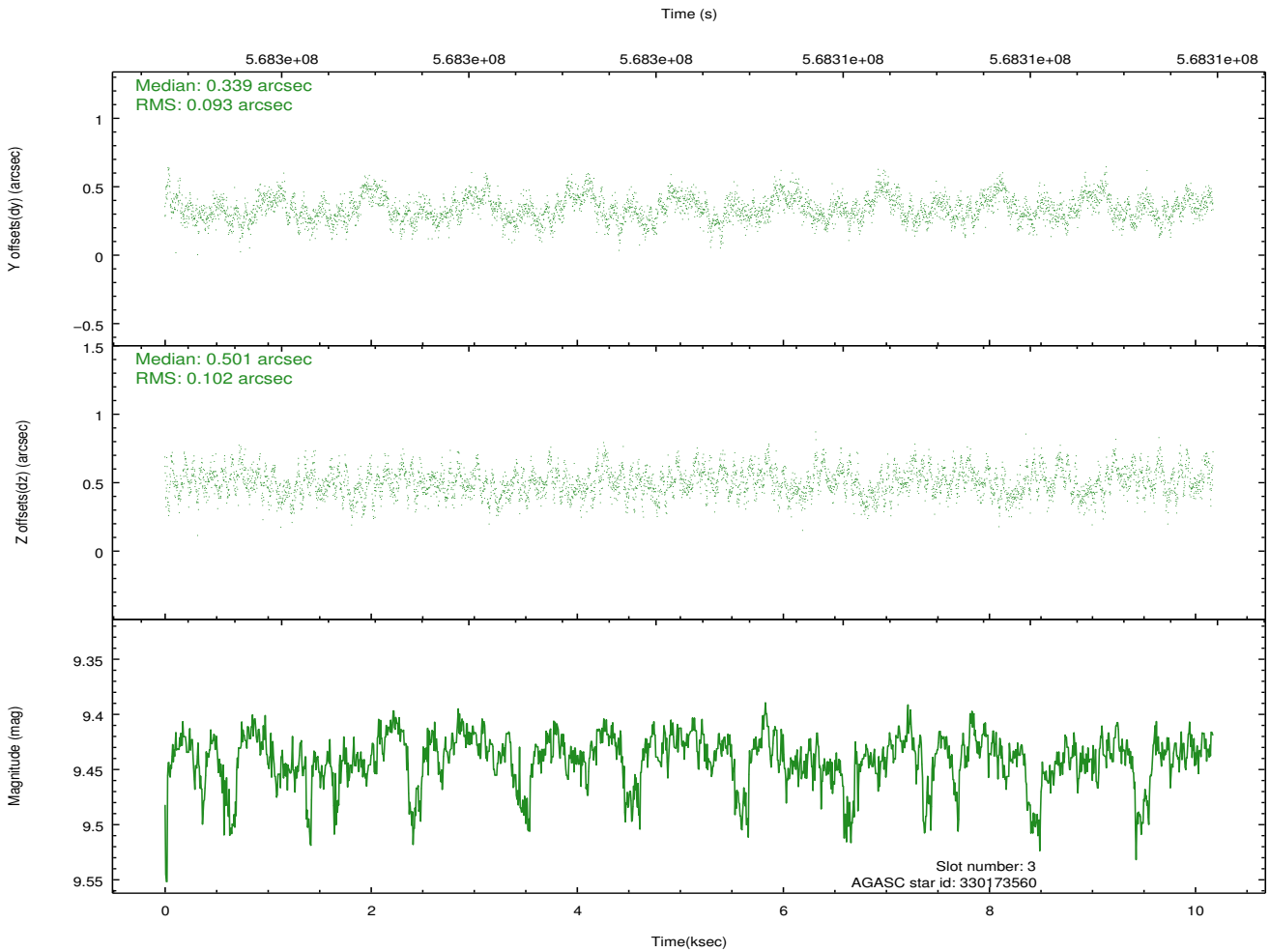
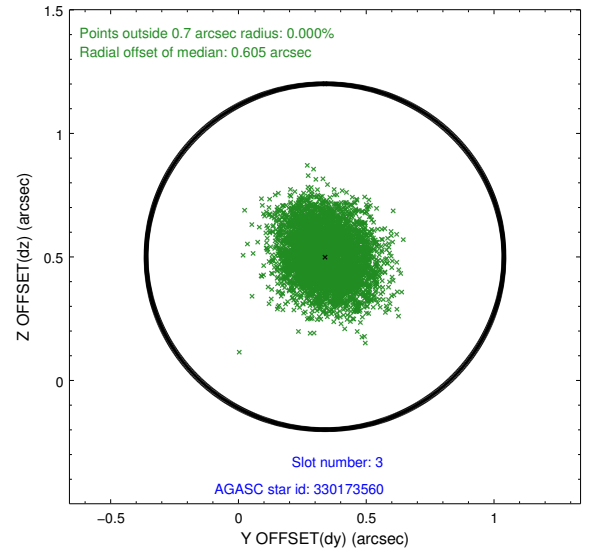
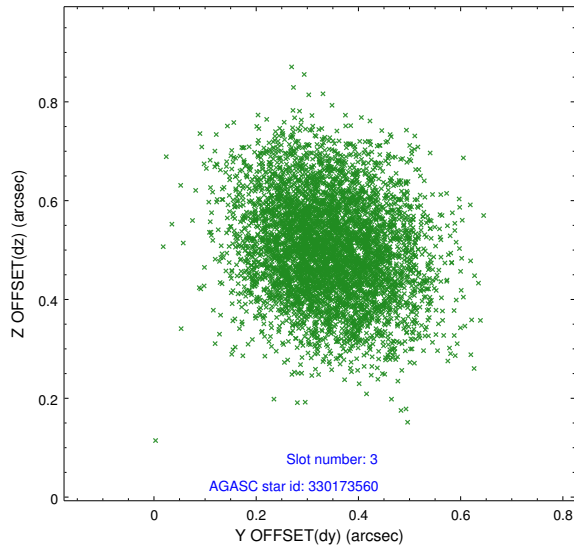
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.13	2482	-0.203	-0.141	0.006	0.011	0.000000	0.000000	-766.54	-1738.37
1	FID		ACIS-S-4	7.22	2482	0.256	0.097	0.006	0.011	0.000000	0.000000	2146.99	169.76
2	FID		ACIS-S-6	7.36	2482	-0.080	0.051	0.007	0.011	0.000000	0.000000	396.27	807.73
3	GUIDE	used	330173560	9.44	4958	0.339	0.501	0.148	0.238	163.808726	32.323527	-2141.36	-2312.17
4	GUIDE	used	330173912	7.44	4962	-0.045	0.102	0.096	0.153	163.171265	32.988753	243.53	-370.67
5	GUIDE	used	330176384	8.81	4960	-0.129	-0.415	0.160	0.244	163.009586	33.043924	442.10	118.26
6	GUIDE	used	330178880	7.16	4963	-0.233	-0.340	0.088	0.144	163.017321	32.628628	-1052.04	94.52
7	GUIDE	used	330176128	9.55	4948	0.062	0.152	0.180	0.280	163.196528	32.990246	250.24	-445.98

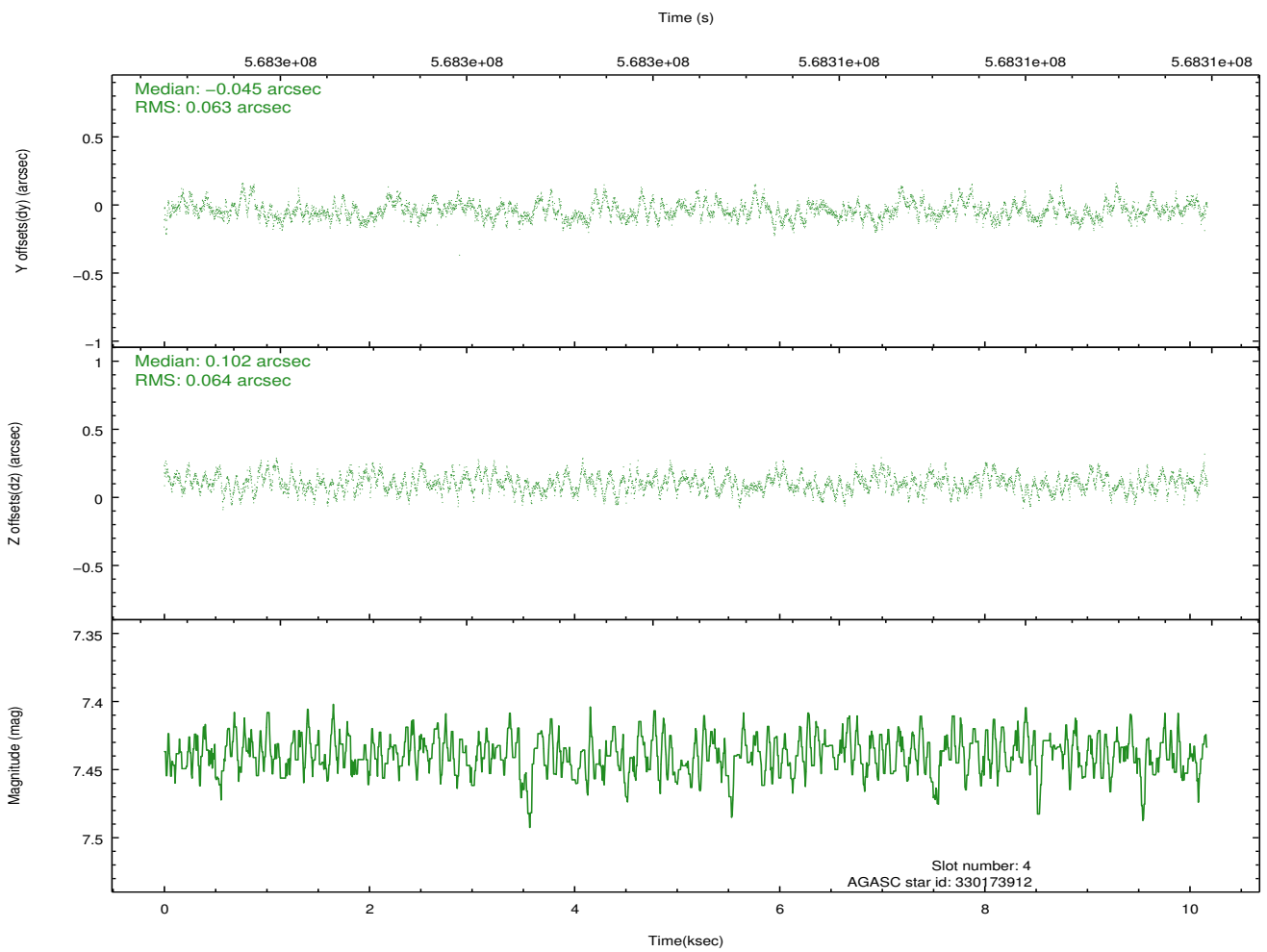
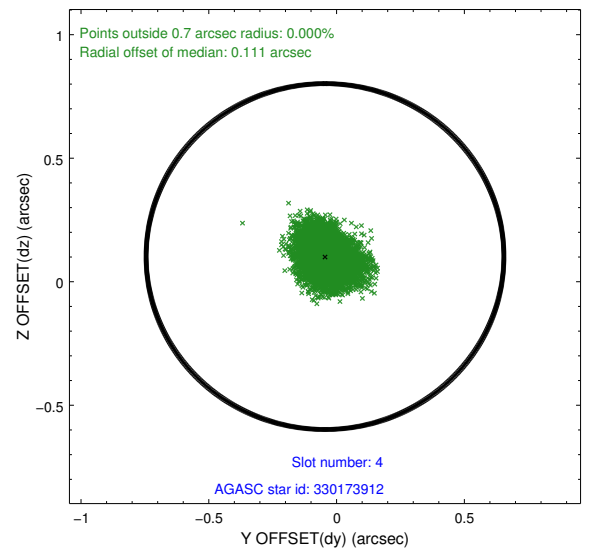
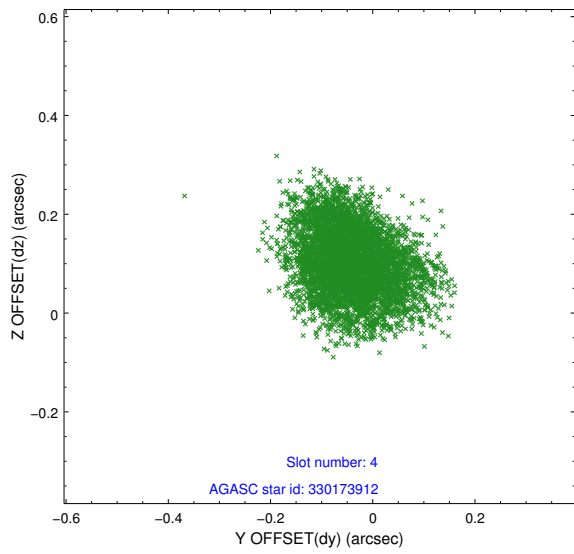
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2.4 Star Slots

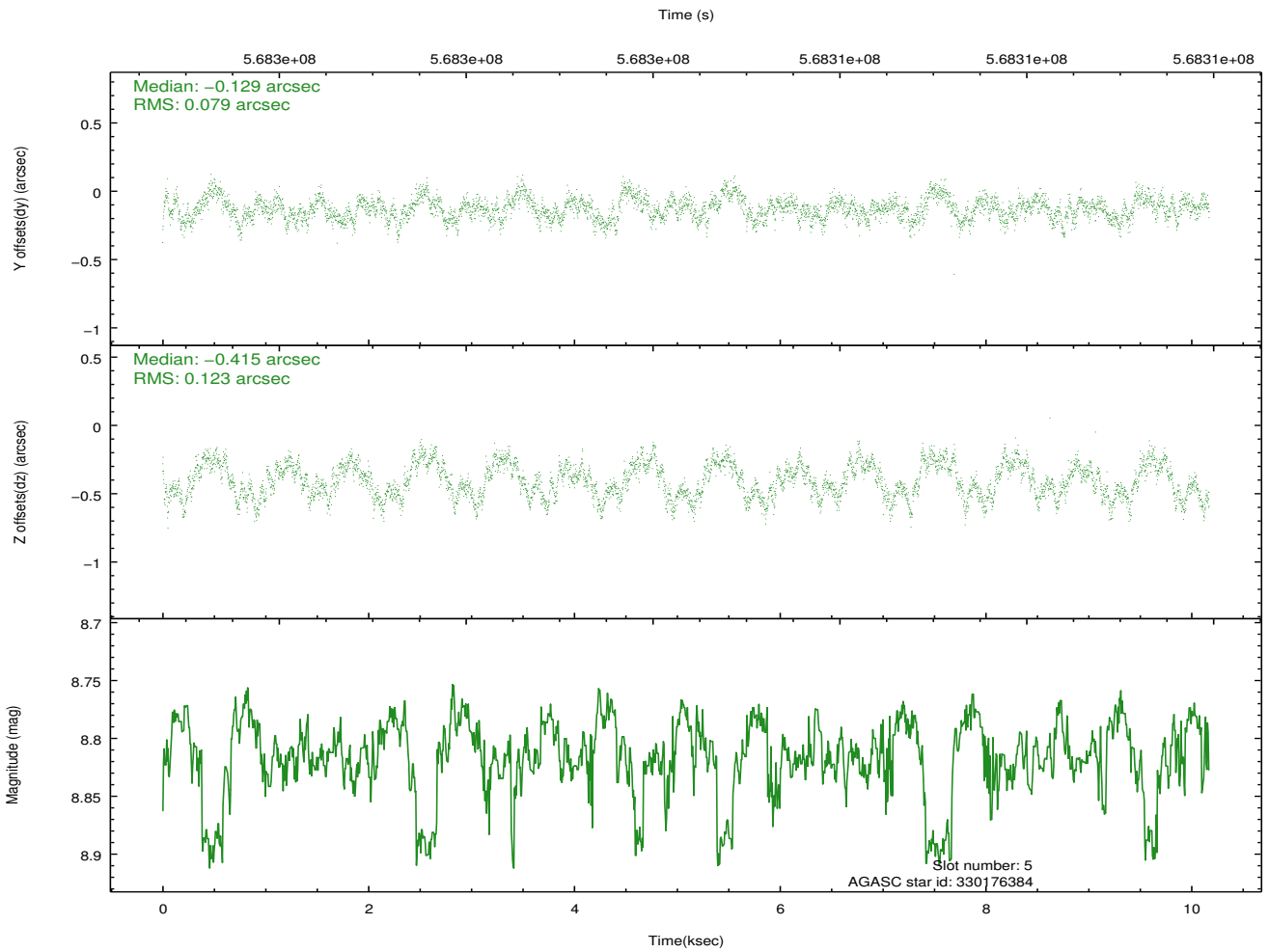
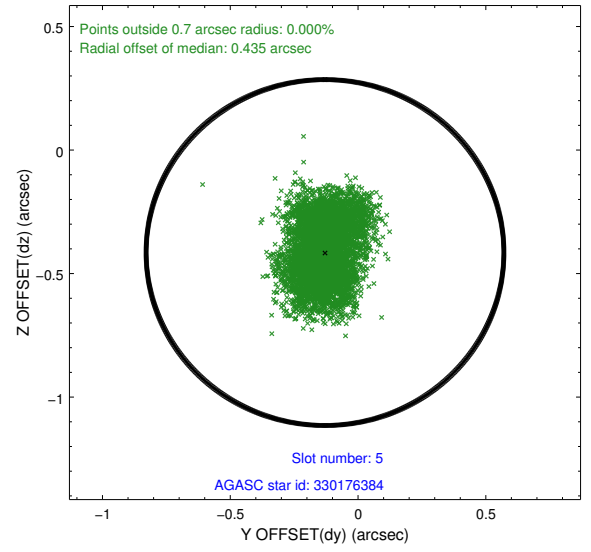
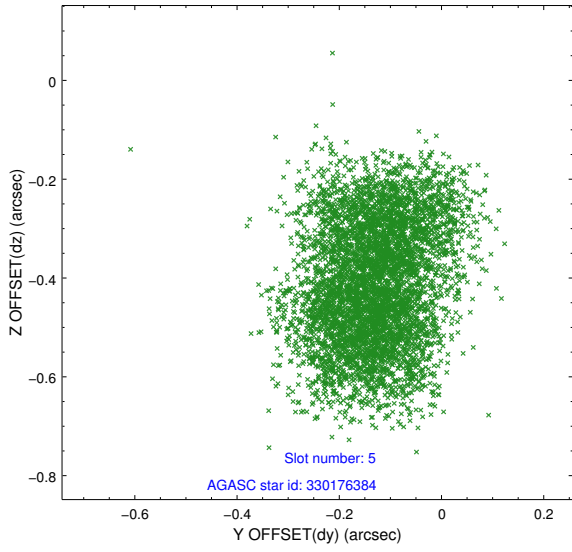
2.4.1 Slot 3



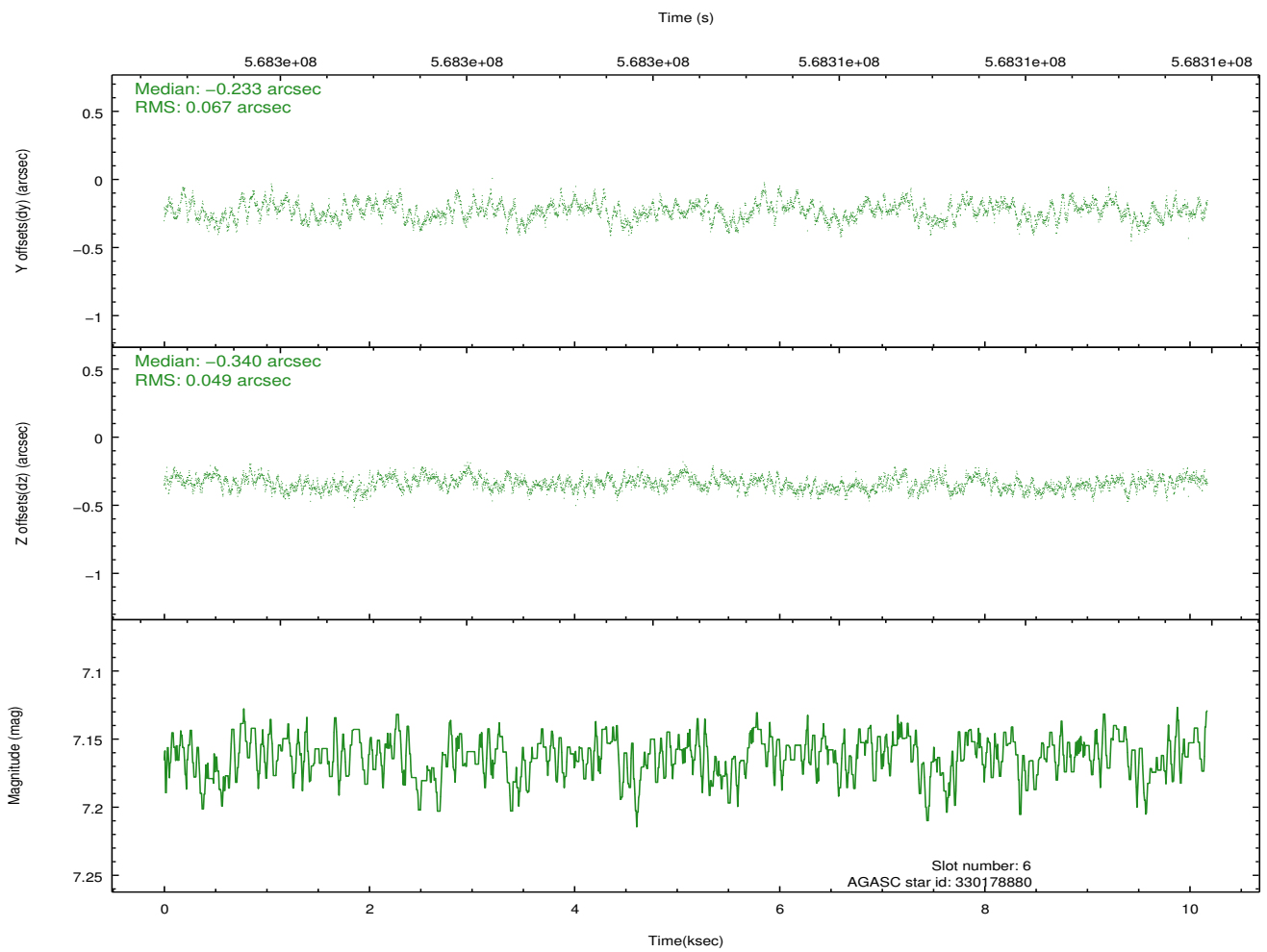
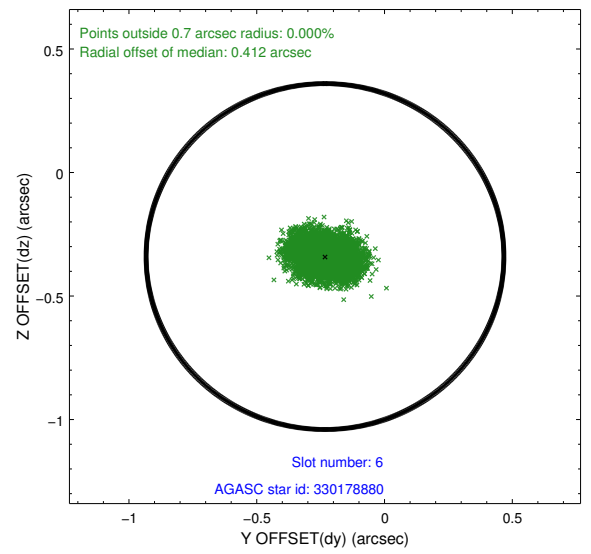
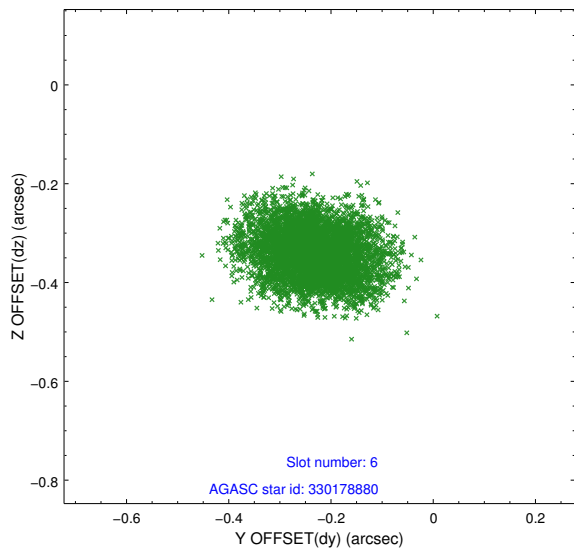
2.4.2 Slot 4



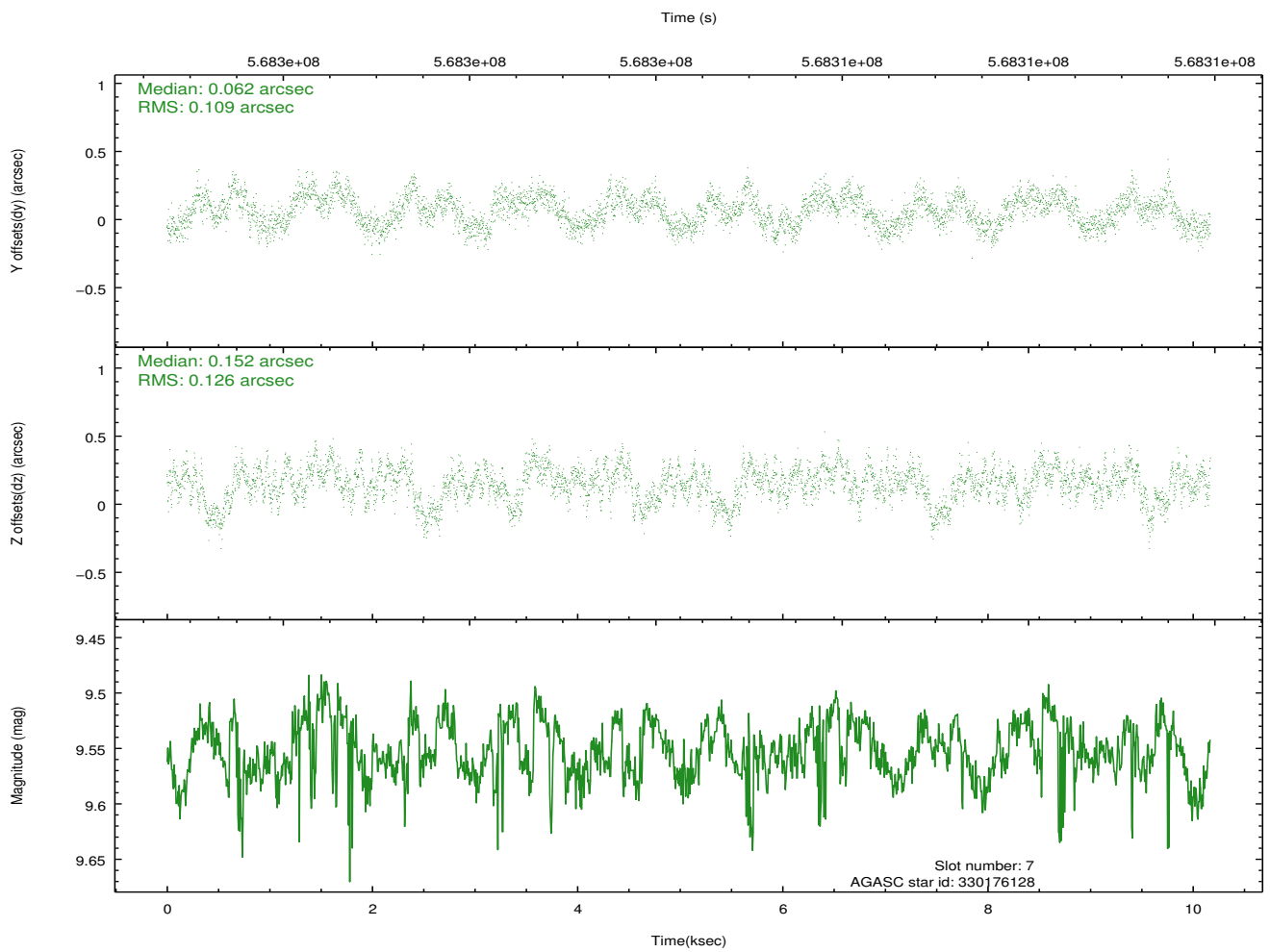
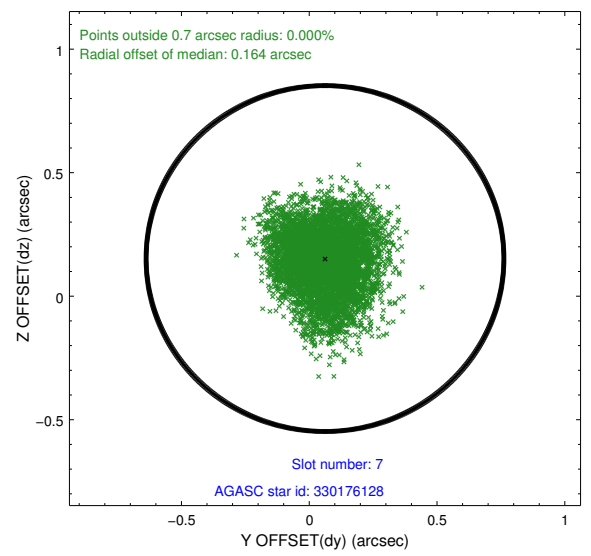
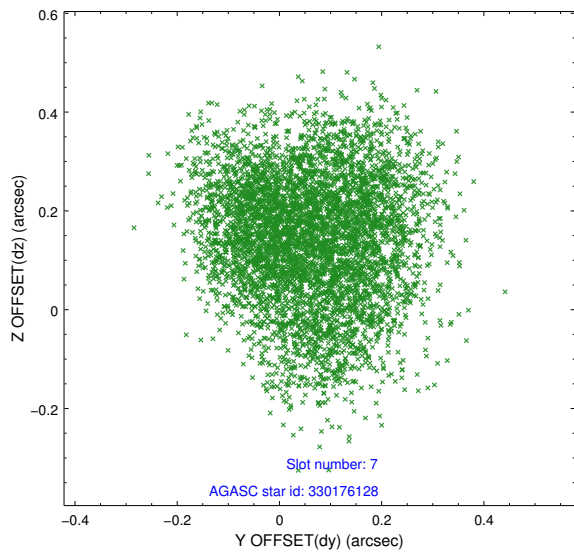
2.4.3 Slot 5



2.4.4 Slot 6

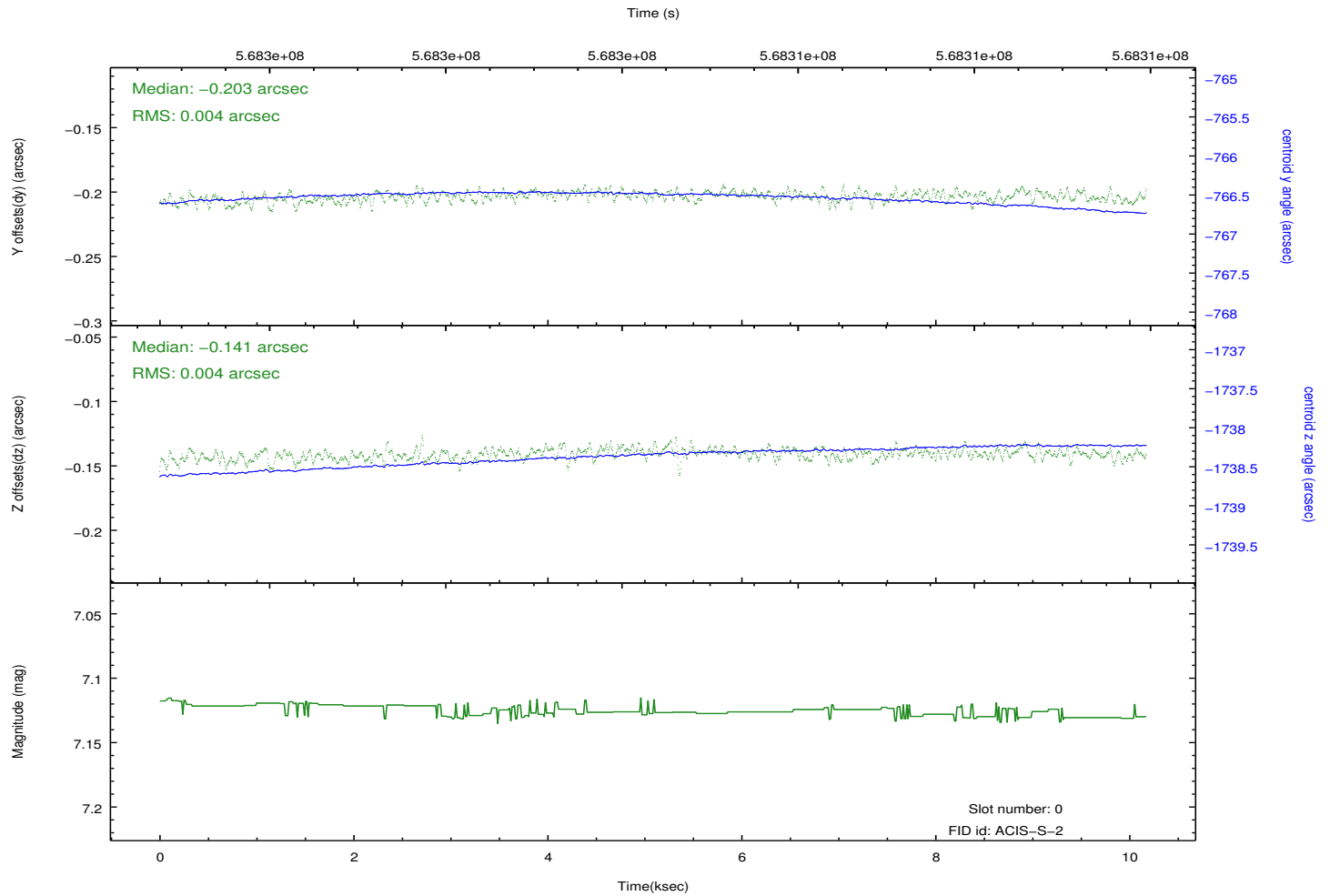
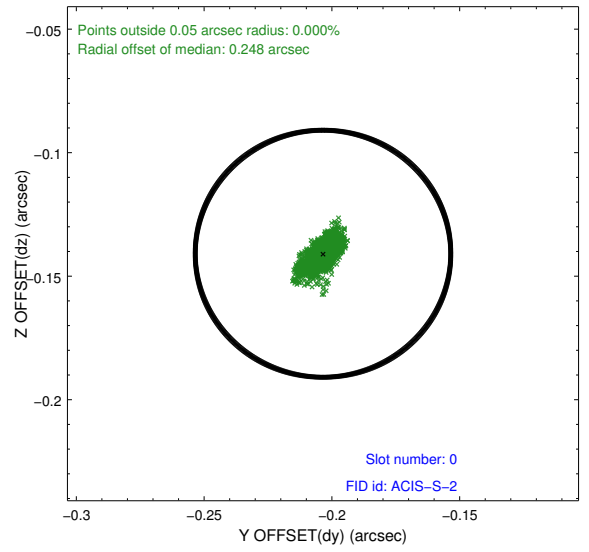
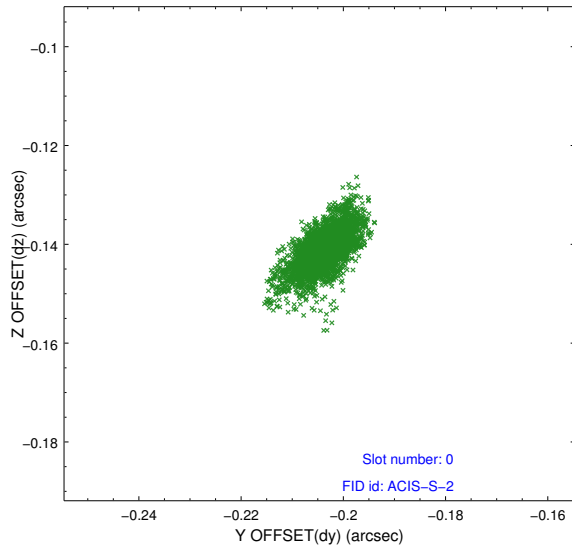


2.4.5 Slot 7

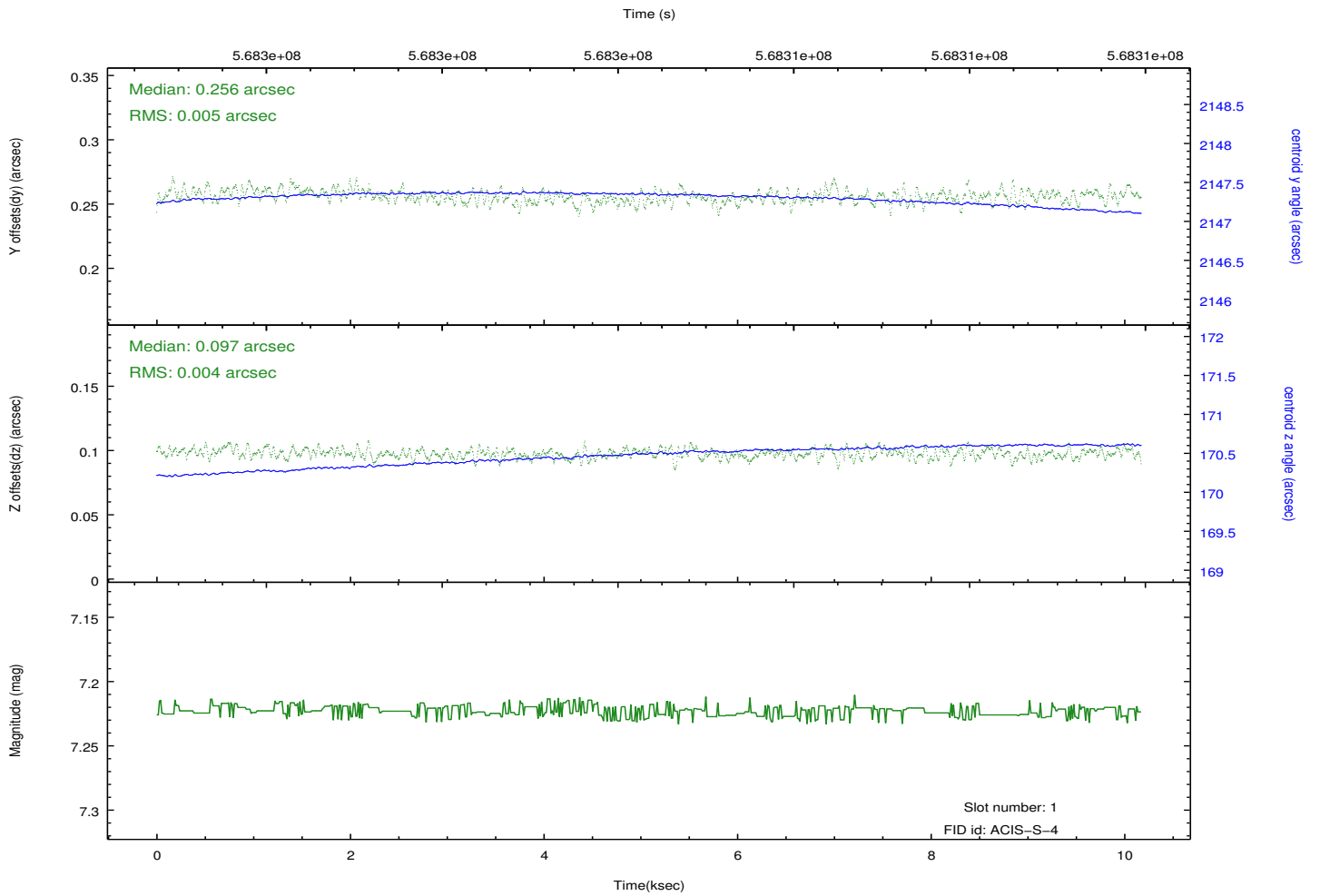
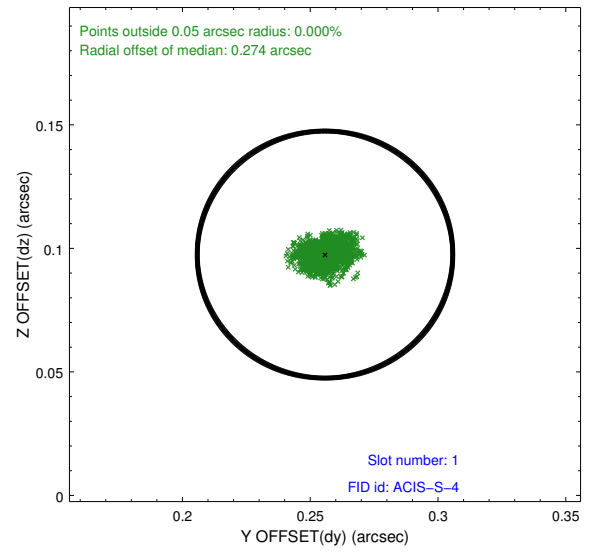
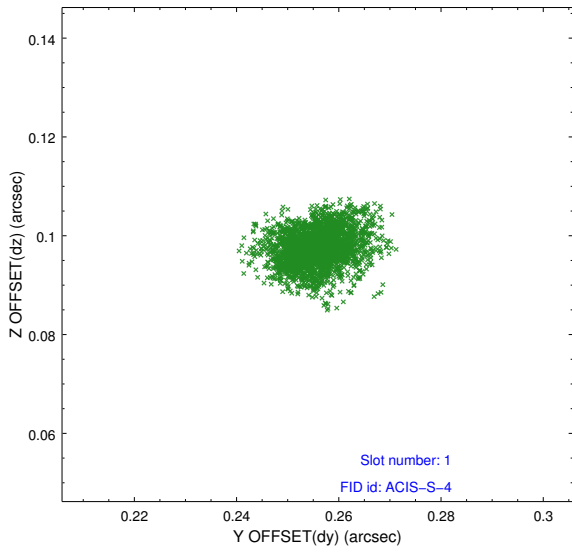


2.5 FID Slots

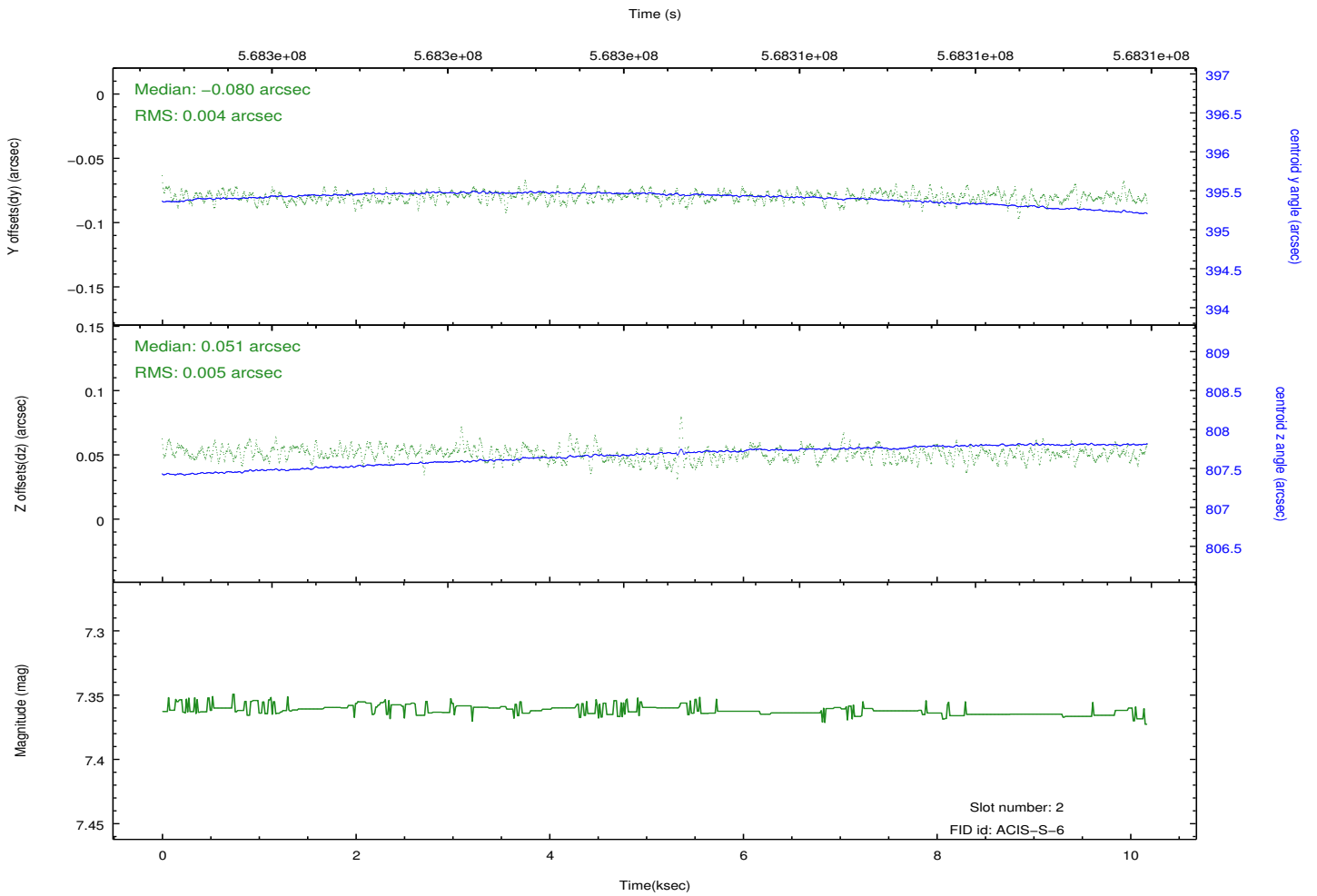
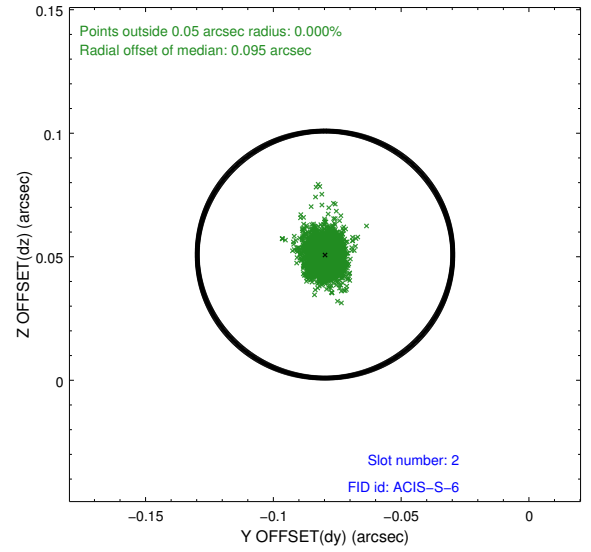
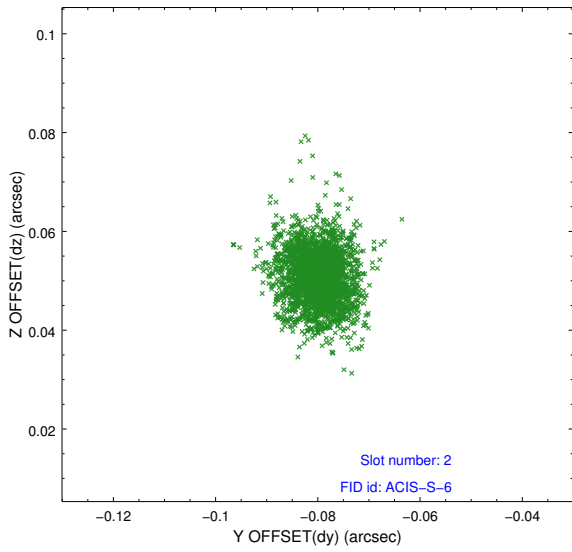
2.5.1 Slot 0



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)	2016.01.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.055076596975

A.2 Comments