

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 17888 - L2 Version 1
Chandra X-Ray Center

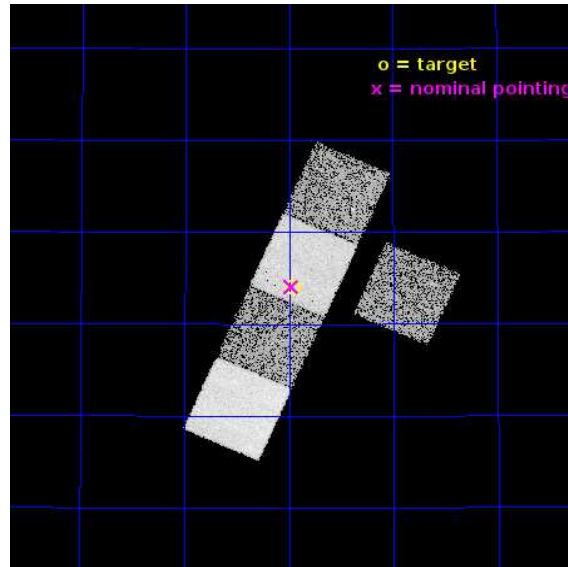
L2 Processing Date : Feb 29 2016

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1 Front

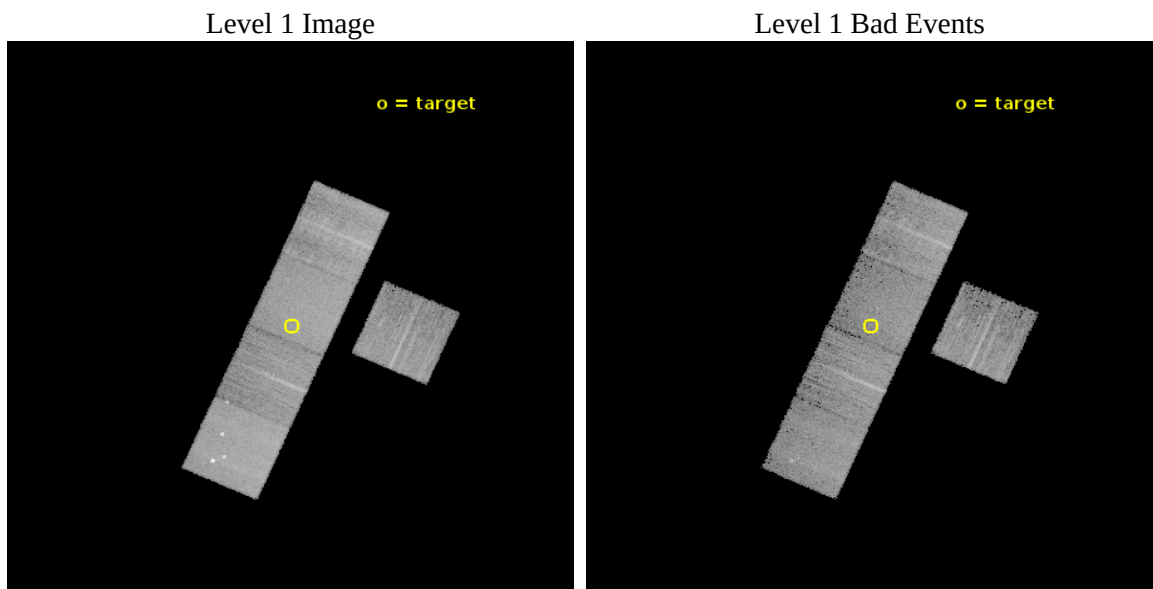
seq_num	502507	Sequence number
obs_id	17888	Observation id
title	Probing the Energetics and Environments of Hydrogen-poor Core-Collapse SNe	Proposal title
observer	Dr Raffaella Margutti	Principal investigator
object	SN2016G	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	45.990583	Observer's specified target RA [deg]
dec_targ	43.400972	Observer's specified target Dec [deg]
ra_nom	45.994311609497	Nominal RA [deg]
dec_nom	43.401292670154	Nominal Dec [deg]
roll_nom	293.91654510372	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10034.700077295	Sum of GTIs [s]
livetime	9903.5893333467	Livetime [s]
ontime3	10034.700077295	Sum of GTIs [s]
ontime5	10034.700077295	Sum of GTIs [s]
ontime6	10034.700077295	Sum of GTIs [s]
ontime7	10034.700077295	Sum of GTIs [s]
ontime8	10034.700077295	Sum of GTIs [s]
l2events	95240	Number of level 2 events



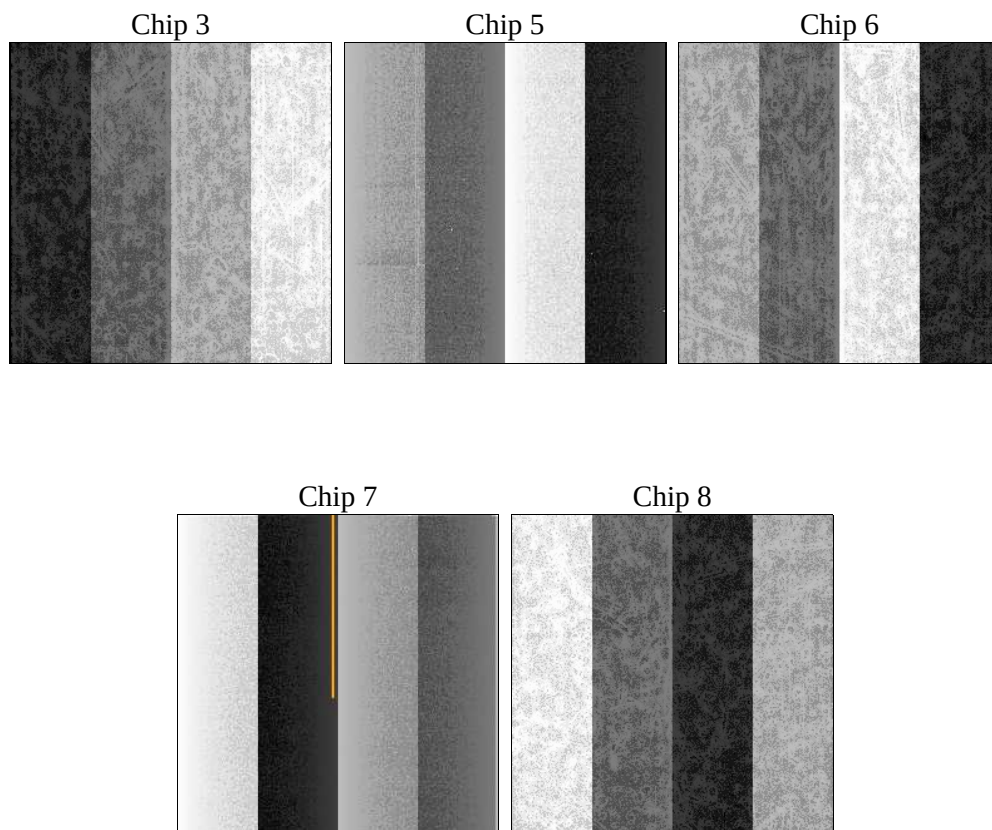
2 OBI

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	10.4.3.1	Processing system revision	ontime	10034.700077295	Sum of GTIs [s]
caldsver	4.7.0	 	ontime3	10034.700077295	Sum of GTIs [s]
date	2016-02-29T23:27:51	Date and time of file creation	ontime5	10034.700077295	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	10034.700077295	Sum of GTIs [s]
			ontime7	10034.700077295	Sum of GTIs [s]
			ontime8	10034.700077295	Sum of GTIs [s]
			l1events	385177	Number of level 1 events

2.1.4 Events

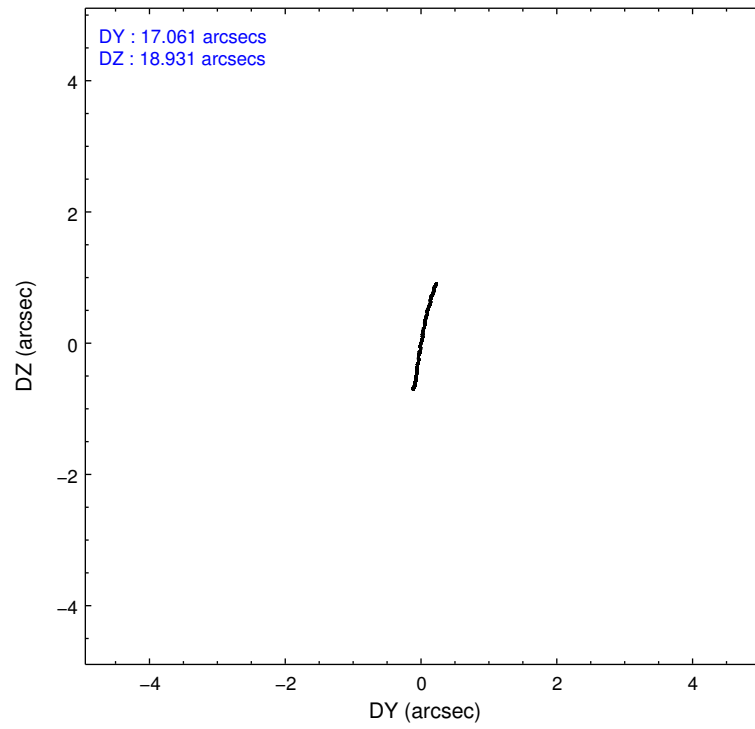
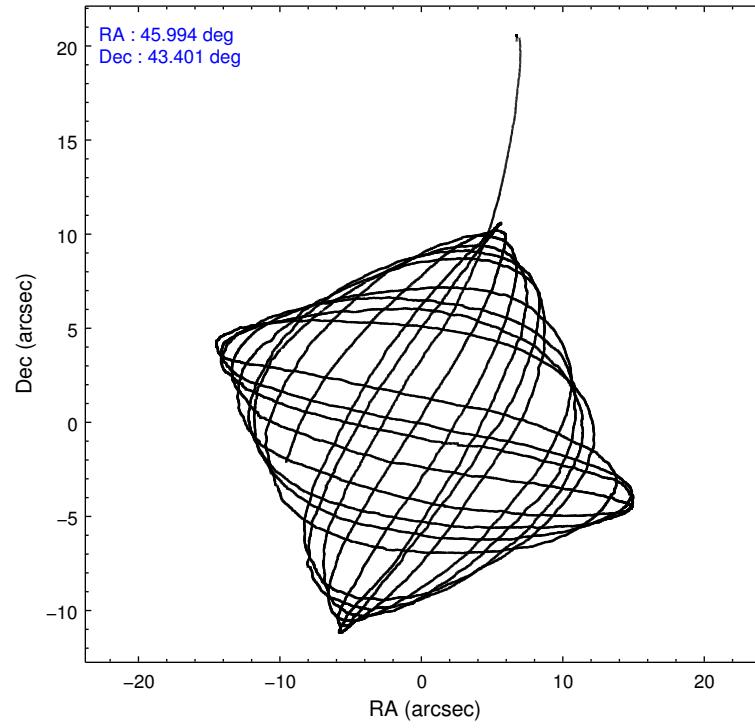
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	59192	101960	61626	80148	82251
rejected events	52923	51947	54569	46616	61970
rejected %	89%	50%	88%	58%	75%

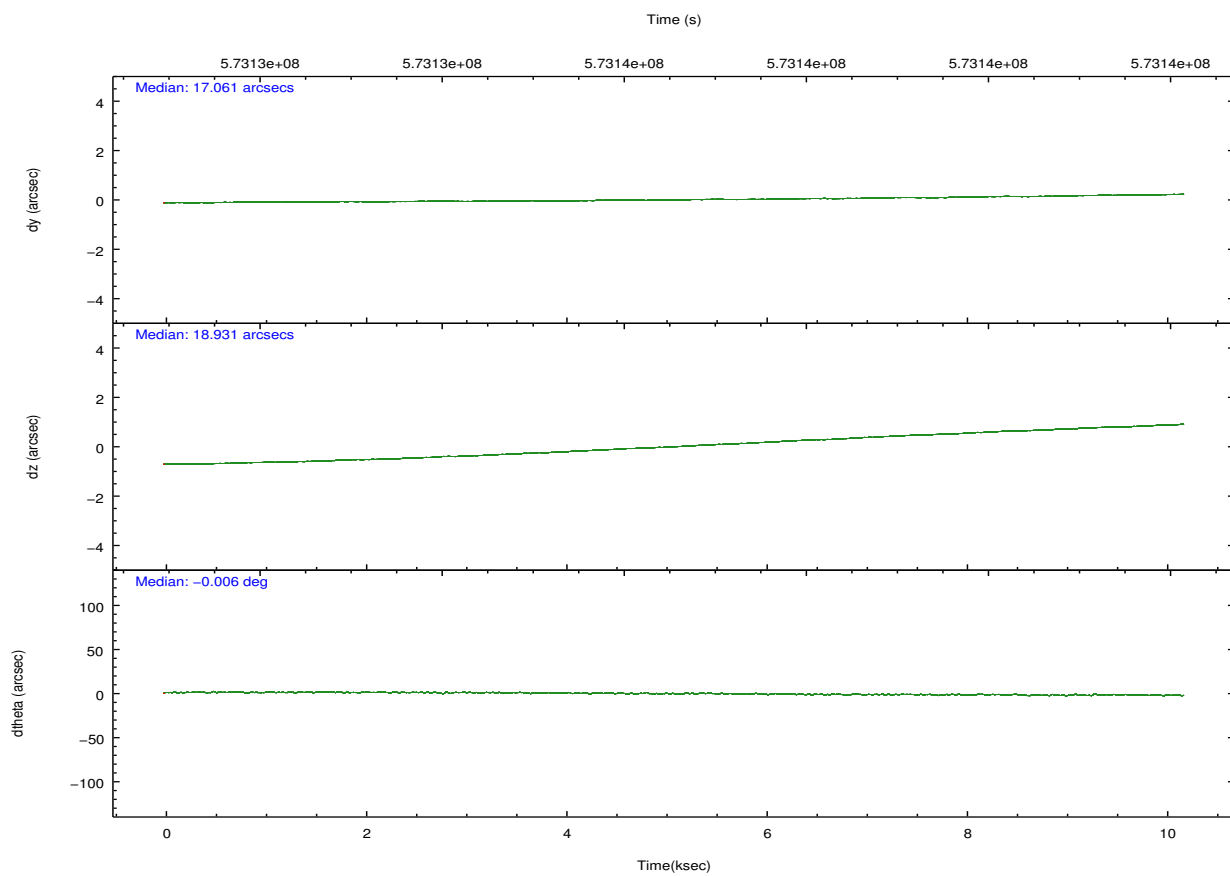
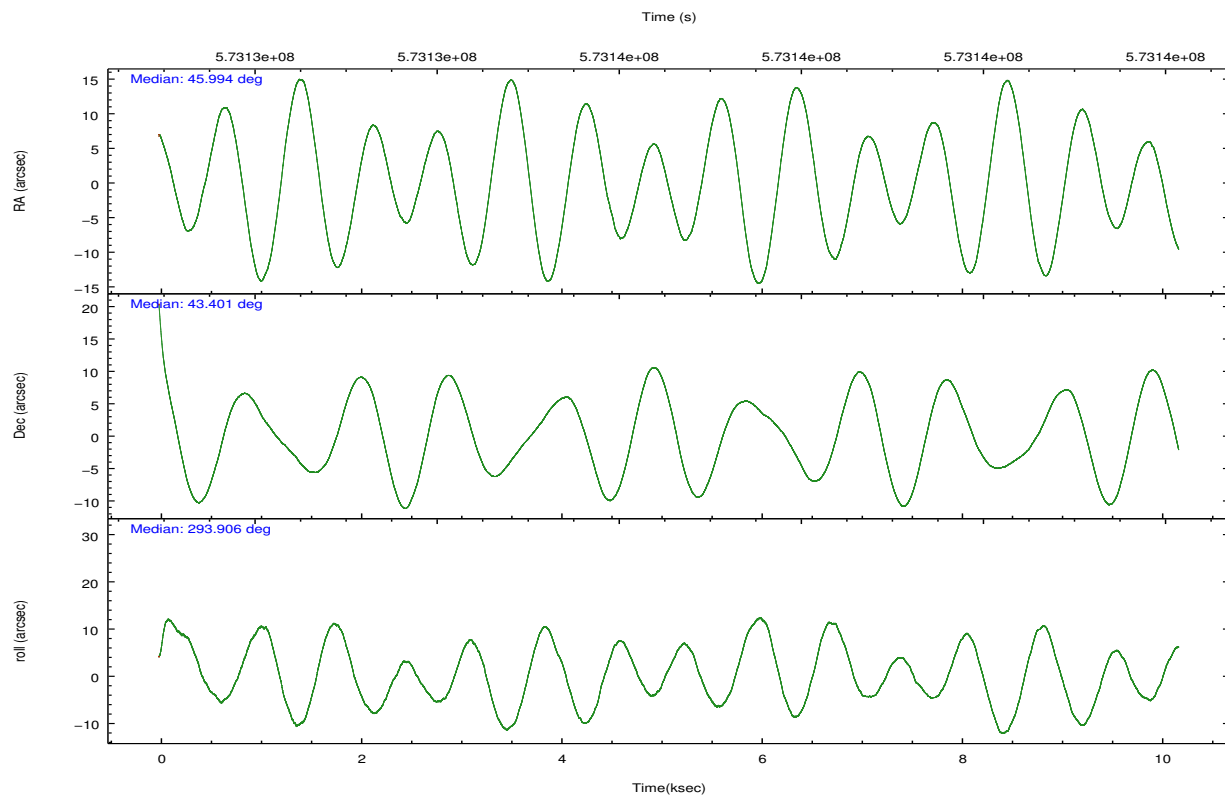
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	2239	5967	2146	2574	5744
	3%	5%	3%	3%	6%
grade 1 events	31	503	29	110	53
	0%	0%	0%	0%	0%
grade 2 events	1302	14127	1748	7001	4817
	2%	13%	2%	8%	5%
grade 3 events	693	1626	654	2459	2118
	1%	1%	1%	3%	2%
grade 4 events	649	2037	705	2584	2087
	1%	1%	1%	3%	2%
grade 5 events	2921	6501	2737	7670	4215
	4%	6%	4%	9%	5%
grade 6 events	1389	26277	1808	18923	5517
	2%	25%	2%	23%	6%
grade 7 events	49968	44922	51799	38827	57700
	84%	44%	84%	48%	70%

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	45.963477	45.99431160949701	CCD I2 on	N	N
[deg] Pointing Dec	43.417131	43.40129267015377	CCD I3 on	O1	Y
[deg] Pointing Roll	293.781116	293.9165451037234	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)	573131616.184000	573130452.41921	CCD S5 on	N	N
Observation start date	2016-02-29T11:12:28	2016-02-29T10:54:12	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	573141616.184000	573142664.26991	On-chip summing requested	N	N
Observation end date	2016-02-29T13:59:08	2016-02-29T14:17:44	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



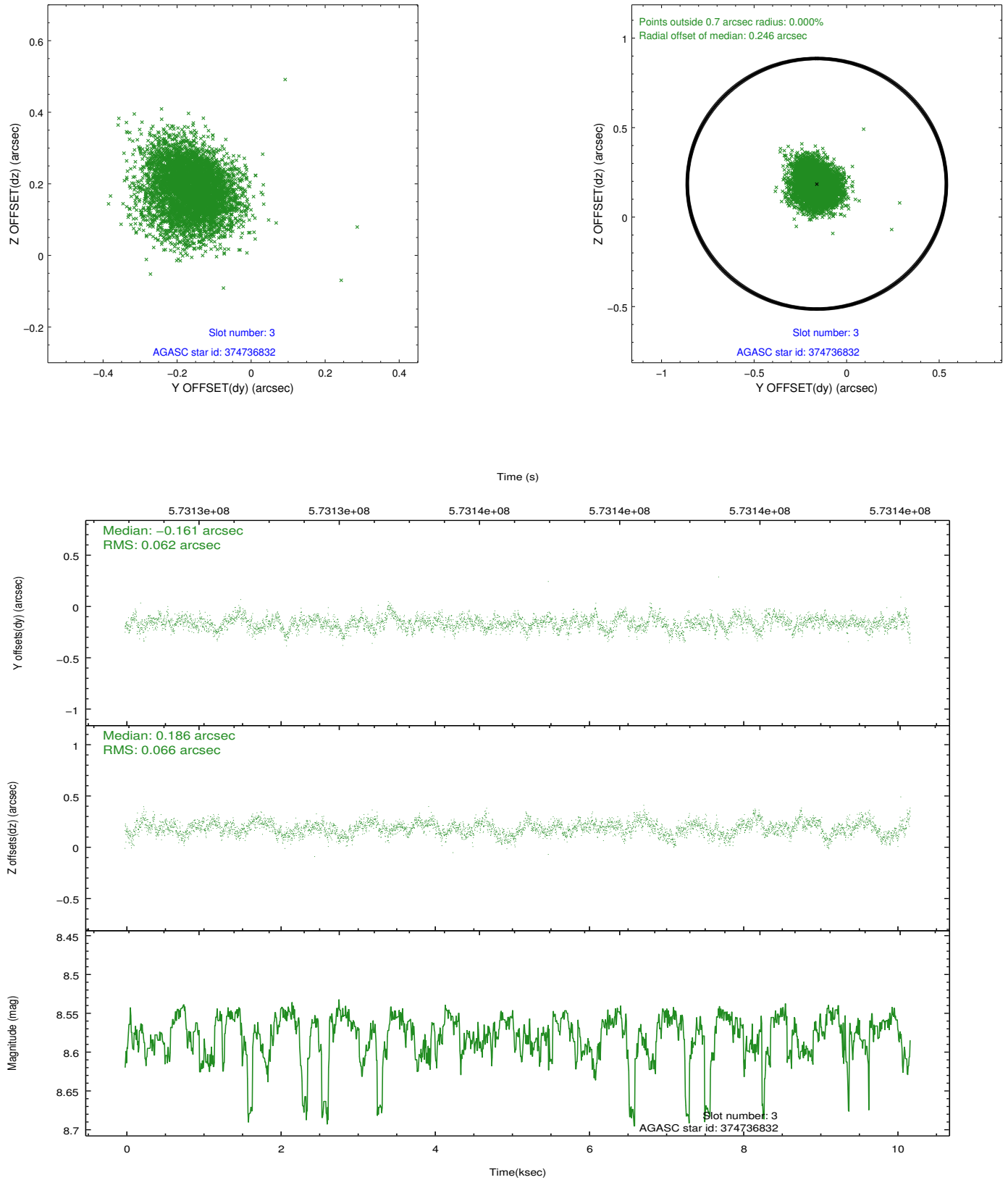


Slot Statistics

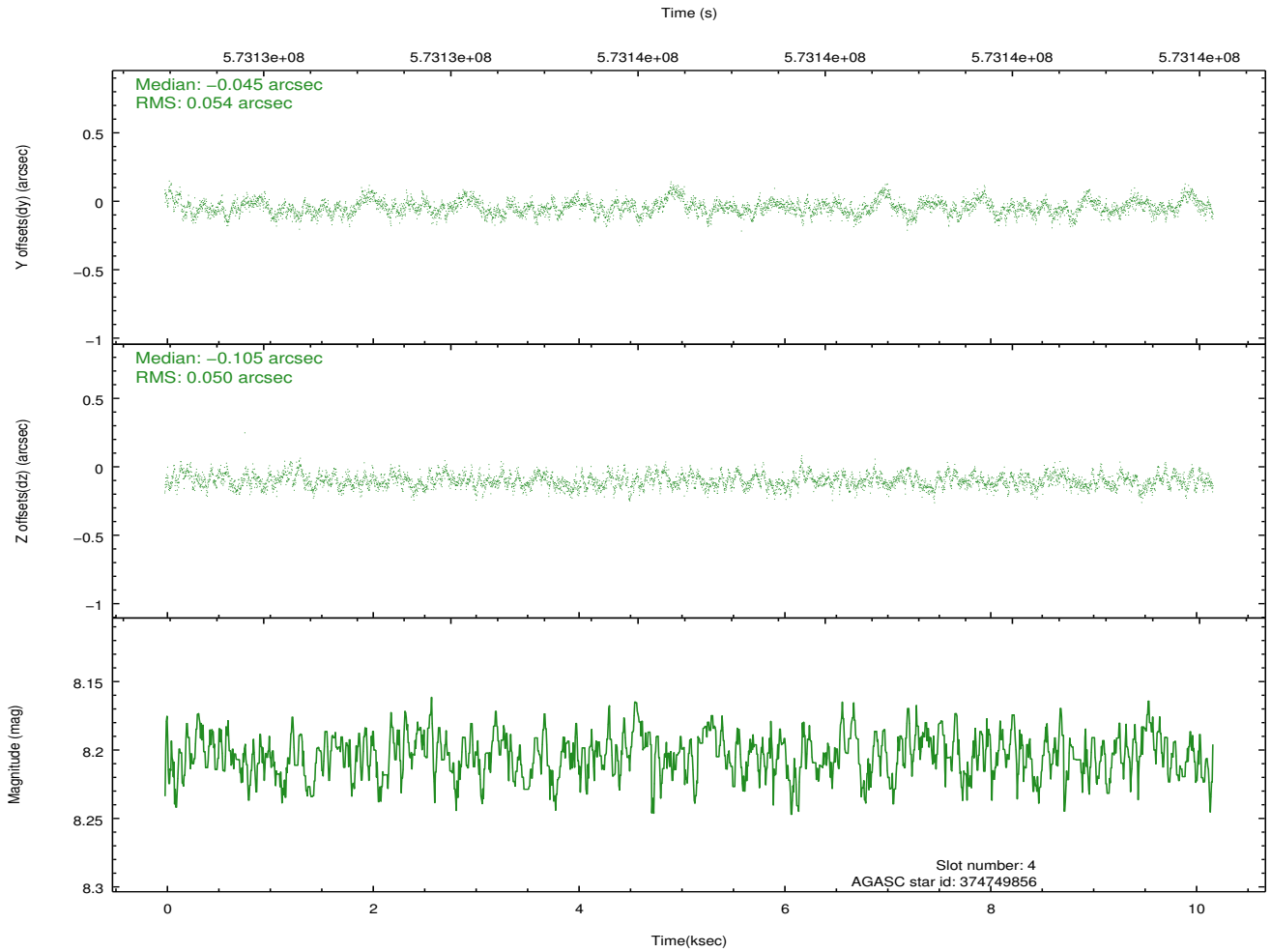
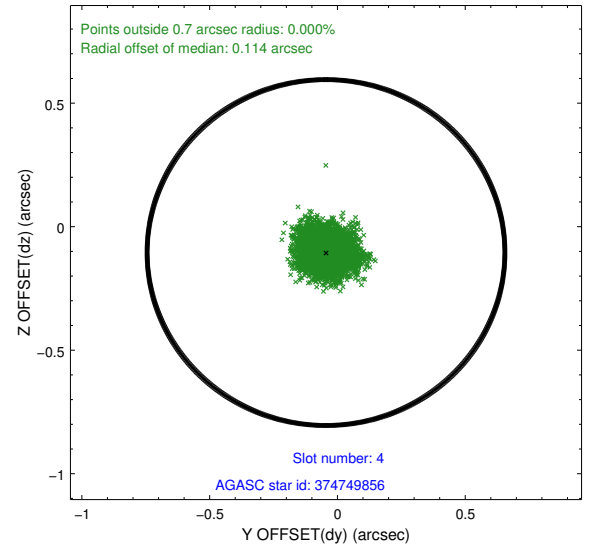
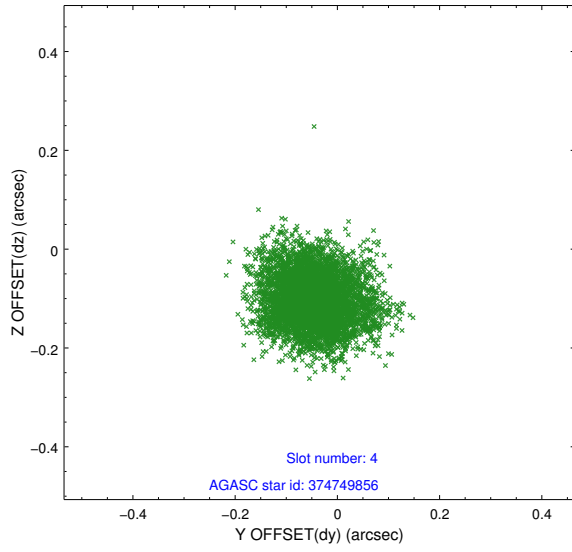
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.25	2485	0.070	-0.062	0.020	0.036	0.000000	0.000000	926.02	-1736.13
1	FID		ACIS-S-4	7.25	2484	0.326	0.014	0.017	0.031	0.000000	0.000000	2143.93	167.60
2	FID		ACIS-S-5	7.26	2485	-0.422	0.061	0.009	0.015	0.000000	0.000000	-1822.71	161.74
3	GUIDE	used	374736832	8.58	4968	-0.161	0.186	0.094	0.156	46.013368	44.112951	-2240.37	1128.28
4	GUIDE	used	374749856	8.20	4965	-0.045	-0.105	0.078	0.127	46.660139	43.259923	1246.99	1446.89
5	GUIDE	used	374751720	7.76	4969	0.035	0.073	0.100	0.153	45.466172	43.299428	-140.24	-1360.93
6	GUIDE	used	374215288	9.01	4965	0.304	-0.297	0.183	0.286	45.400940	42.701538	1753.79	-2398.72
7	GUIDE	used	374749656	9.14	4963	-0.143	0.153	0.145	0.244	46.480565	44.229955	-2143.02	2402.49

2.4 Star Slots

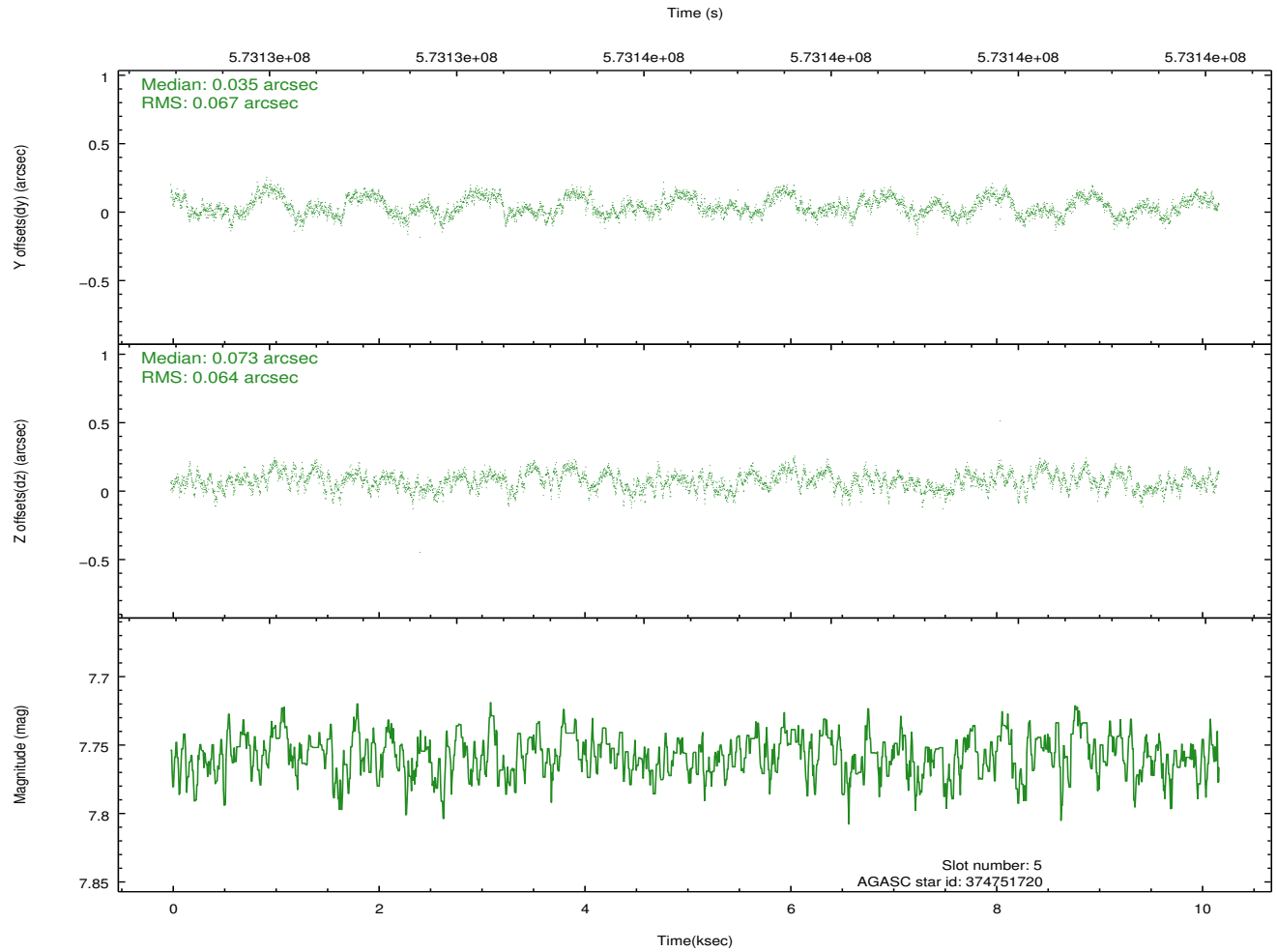
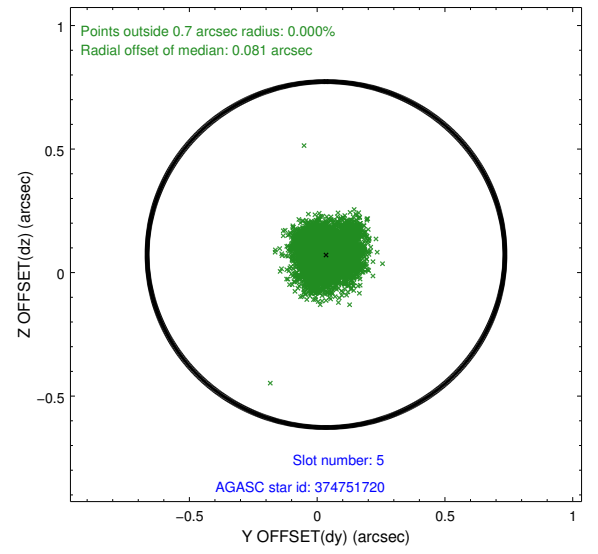
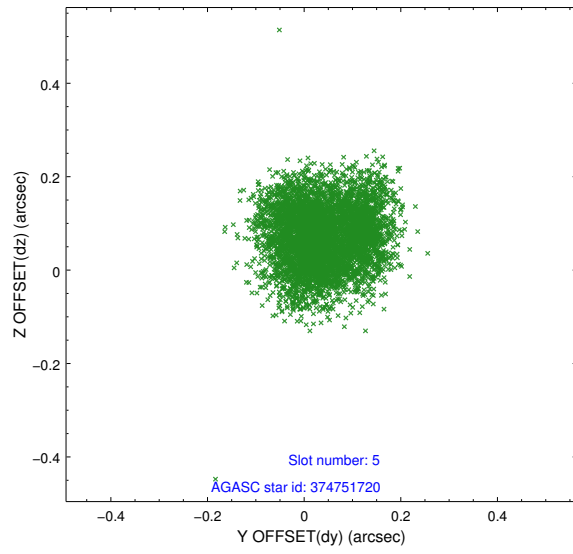
2.4.1 Slot 3



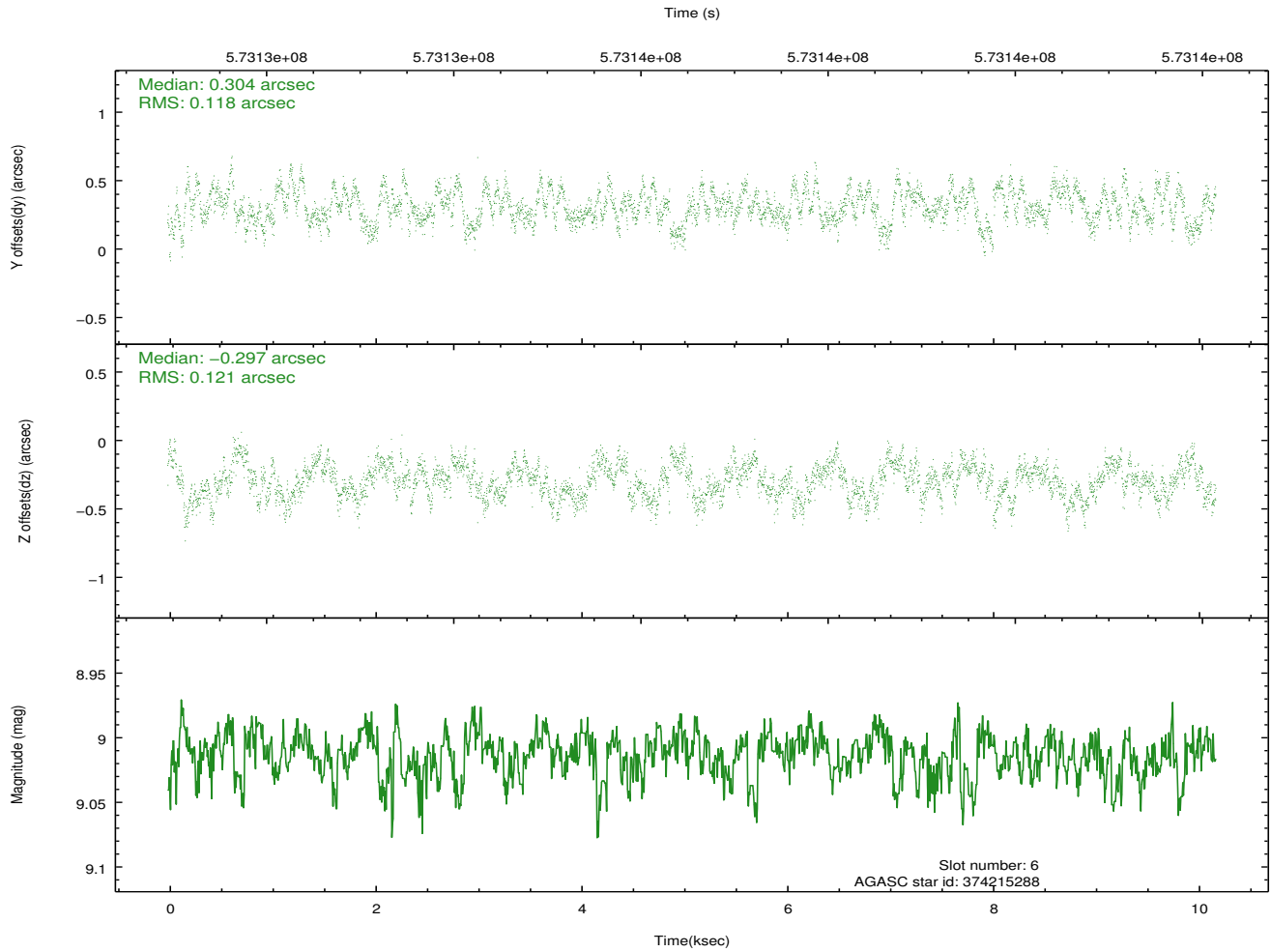
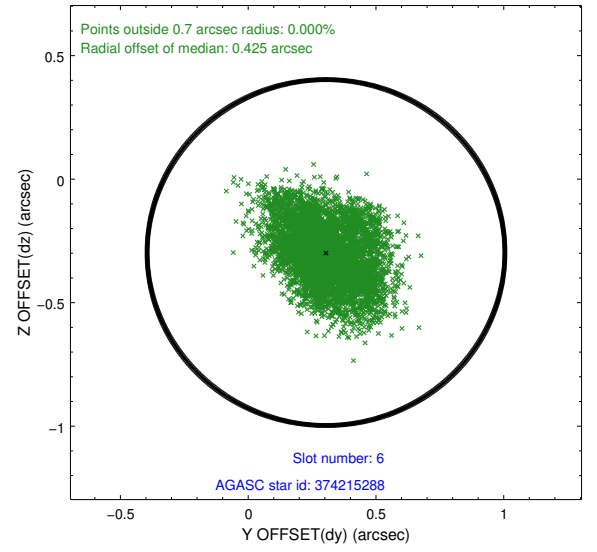
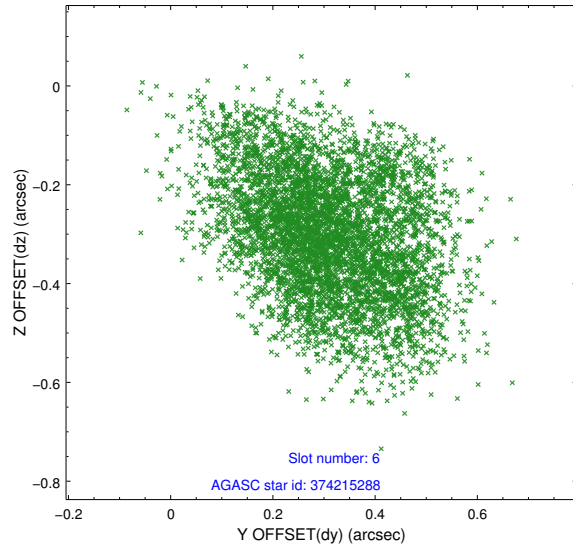
2.4.2 Slot 4



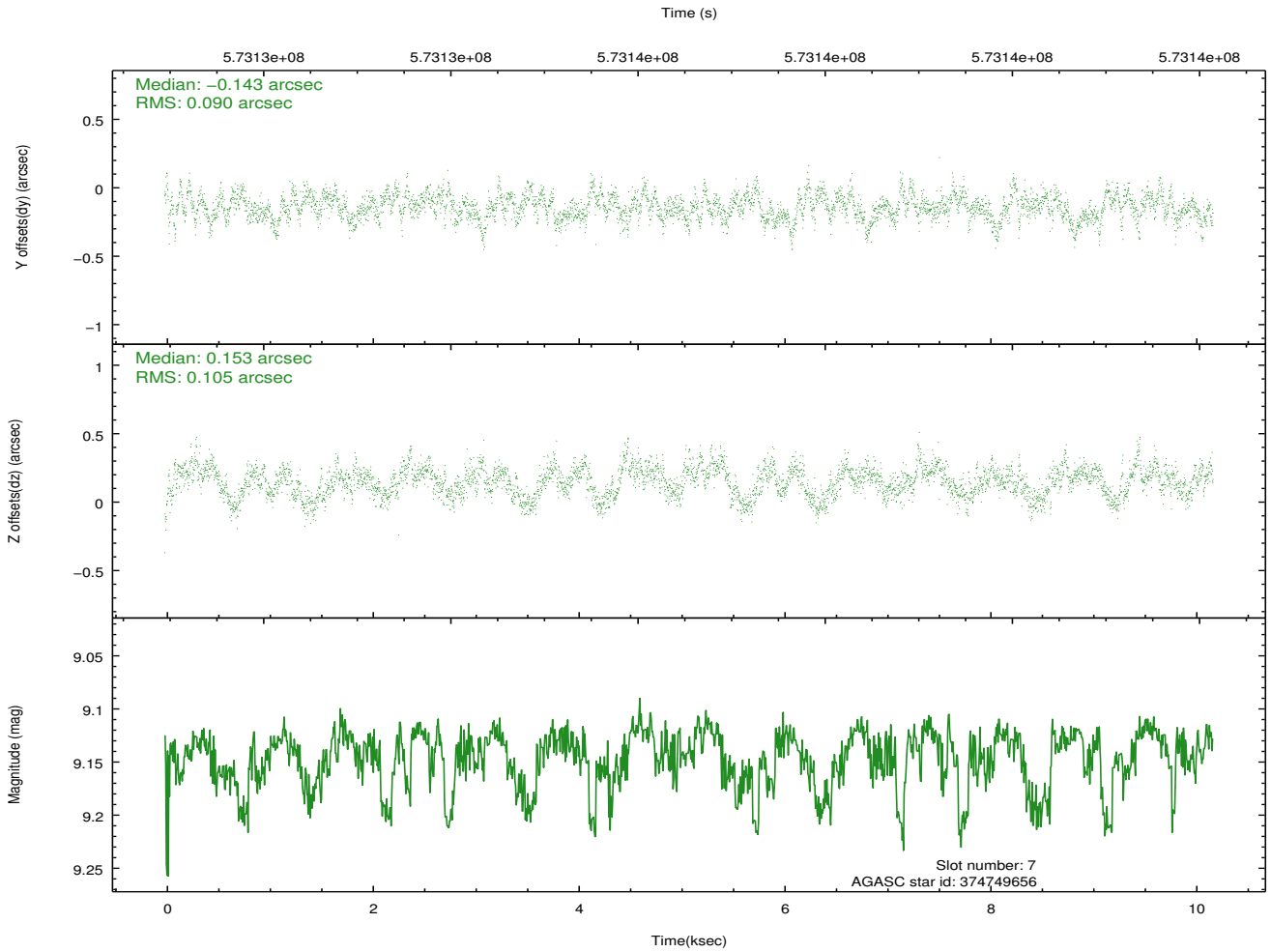
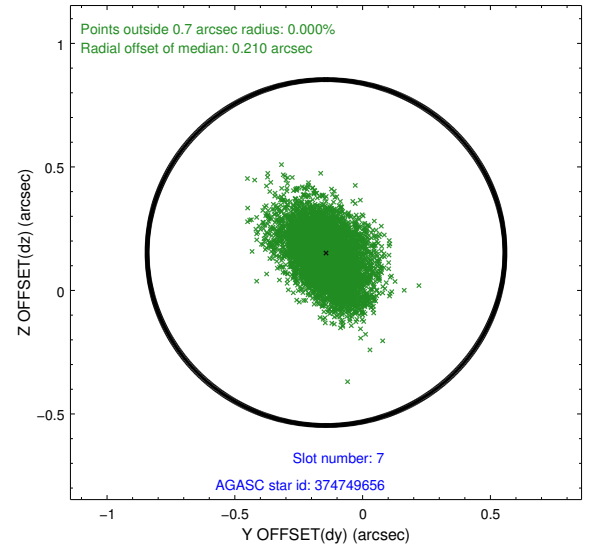
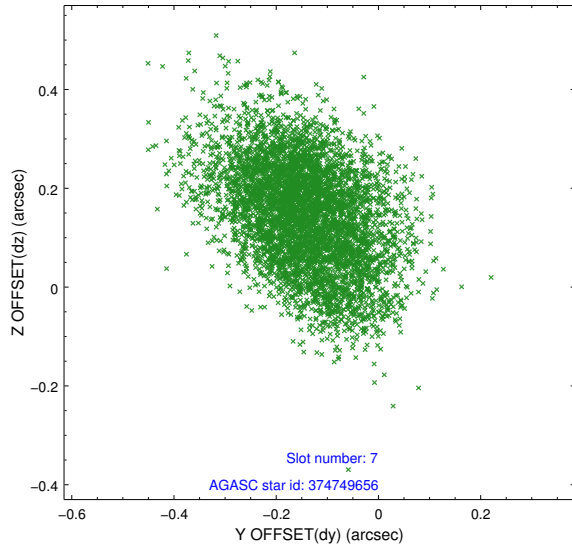
2.4.3 Slot 5



2.4.4 Slot 6

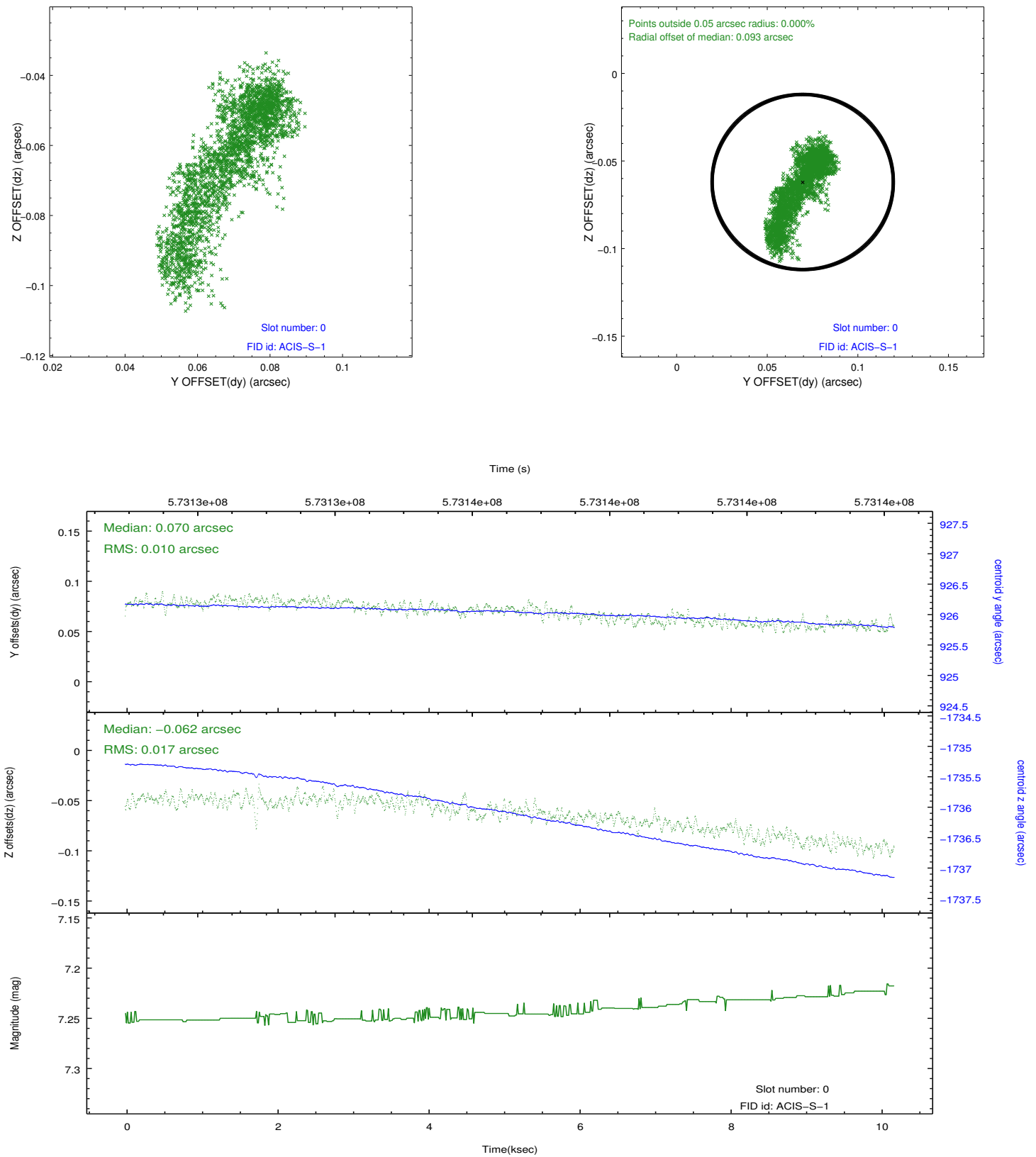


2.4.5 Slot 7

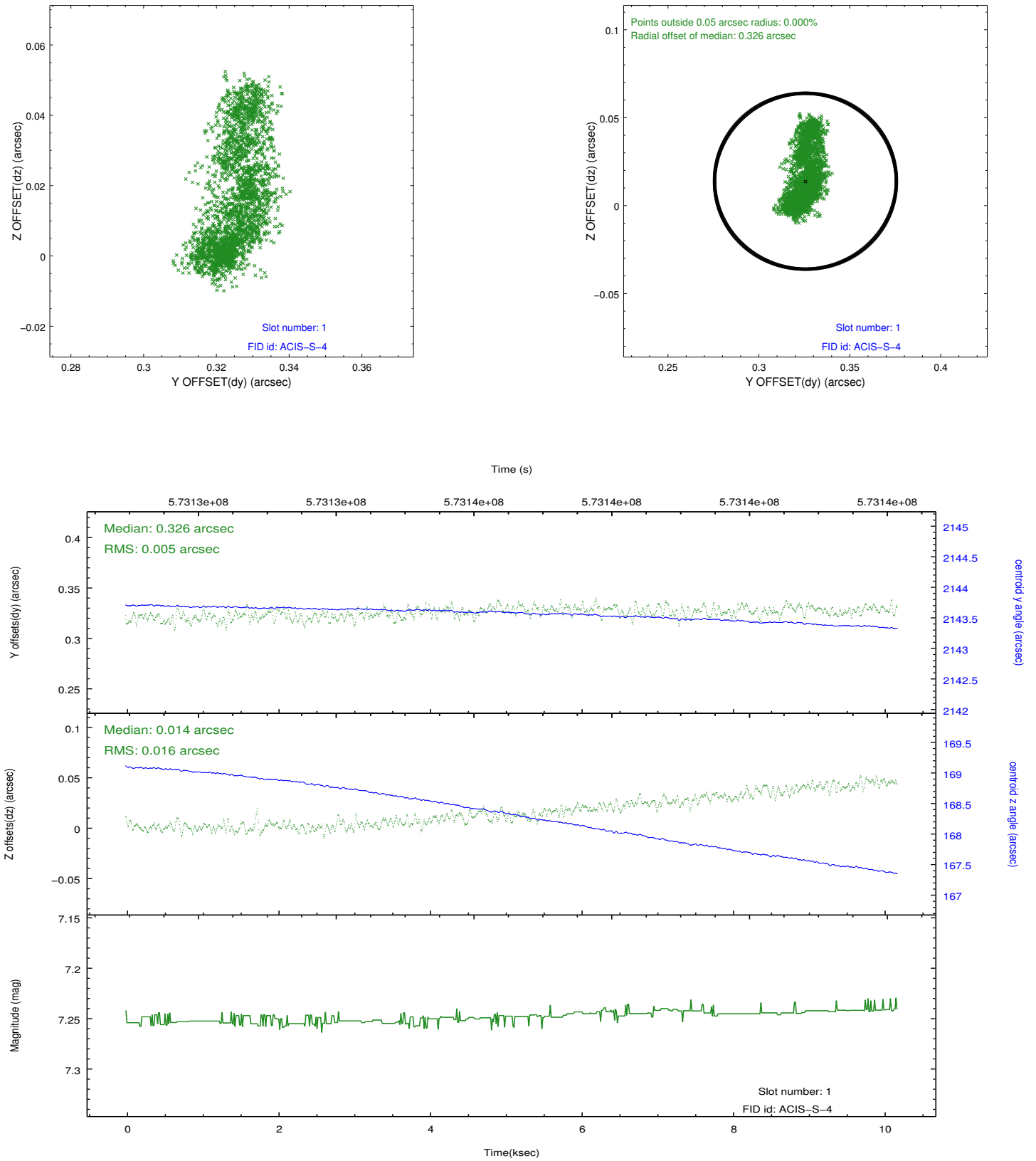


2.5 FID Slots

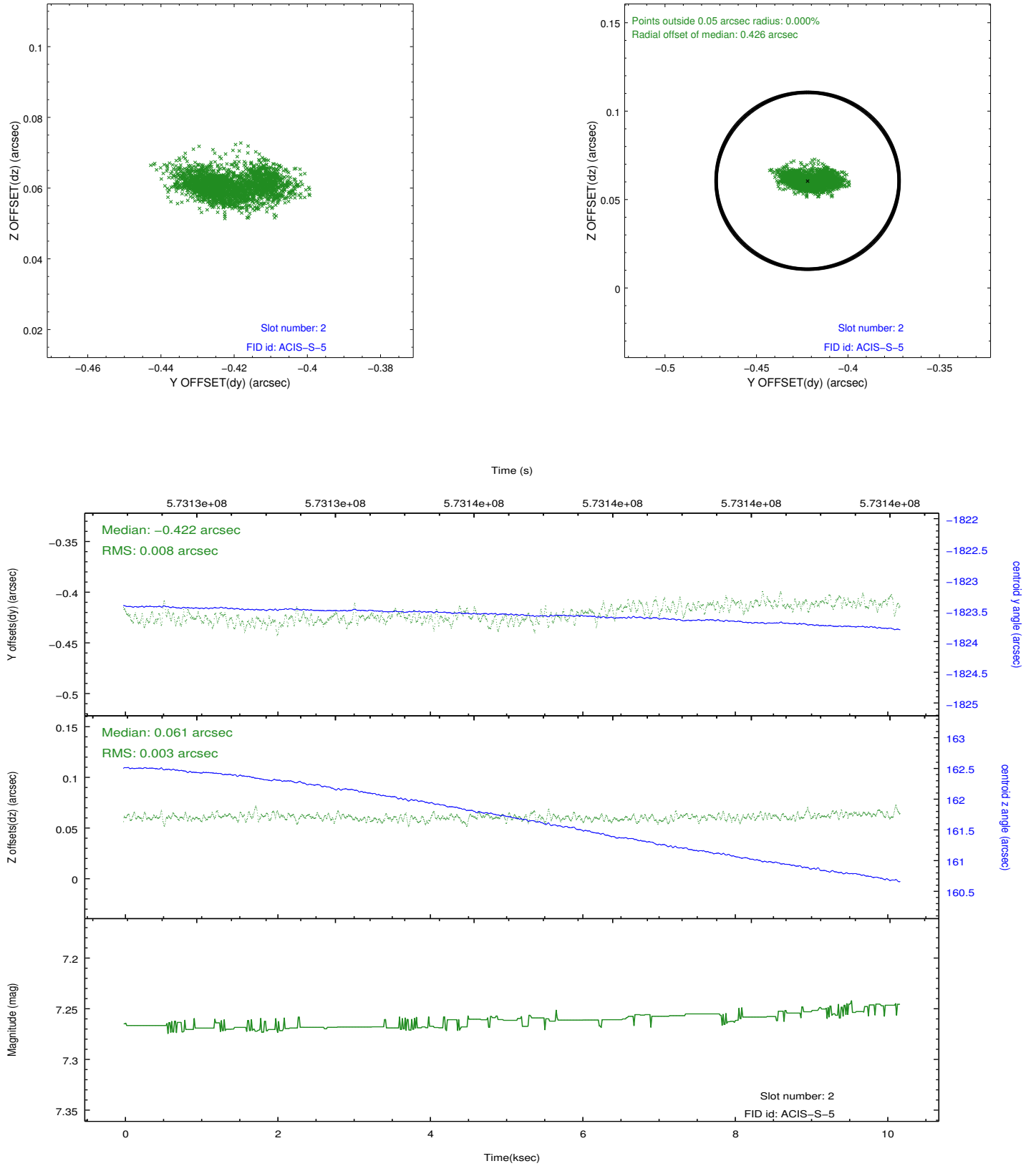
2.5.1 Slot 0



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)	2016.02.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.034700077295

A.2 Comments

Joint proposal with NRAO.