

V&V Reference Report

L2 ASCDS Version : 10.4.3

Observation 18219 - L2 Version 1
Chandra X-Ray Center

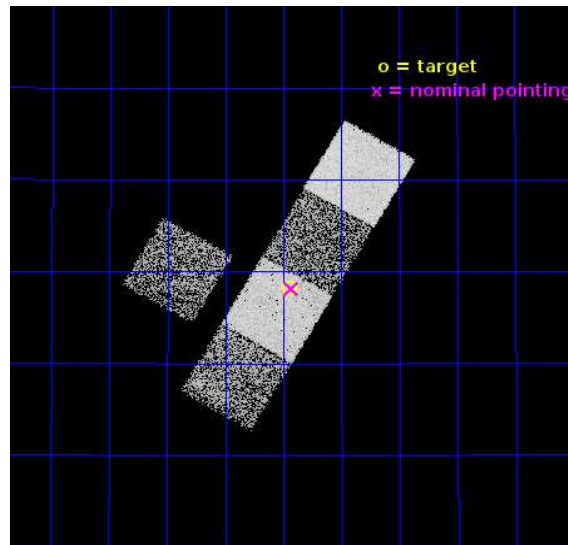
L2 Processing Date : Jan 7 2016

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1 Front

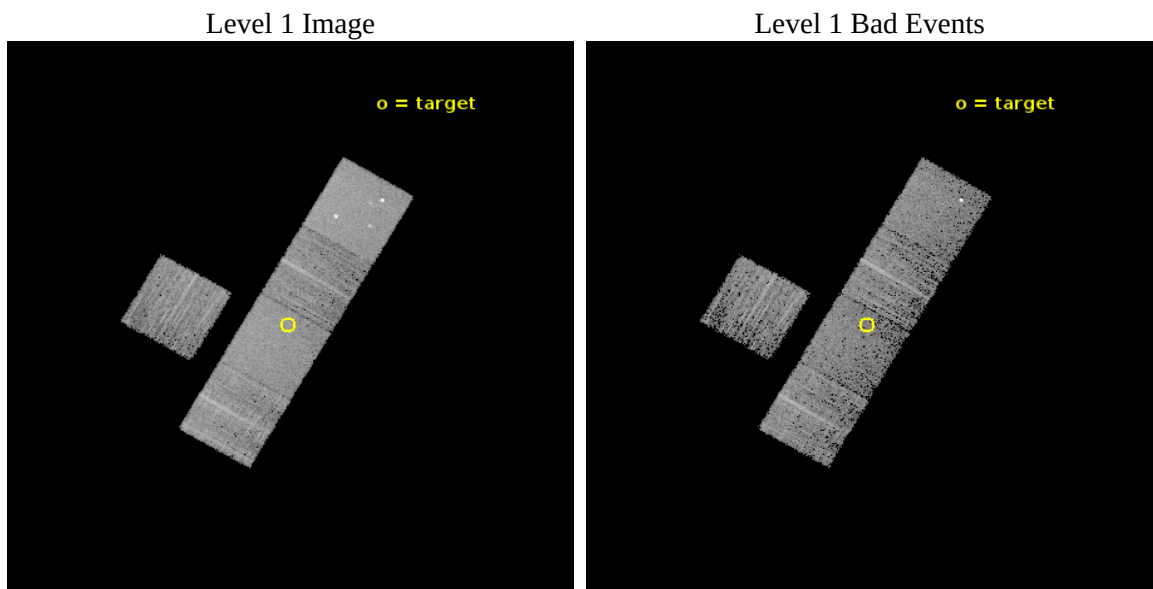
seq_num	801547	Sequence number
obs_id	18219	Observation id
title	Searching for Fossil Group Progenitors Via Strong Gravitational Lensing	Proposal title
observer	Mr. Lucas Johnson	Principal investigator
object	CSWA 30	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	132.860417	Observer's specified target RA [deg]
dec_targ	35.970389	Observer's specified target Dec [deg]
ra_nom	132.85770651833	Nominal RA [deg]
dec_nom	35.969246532241	Nominal Dec [deg]
roll_nom	120.15824295678	Nominal Roll [deg]
revision	1	Processing version of data
ontime	6057.4000467062	Sum of GTIs [s]
livetime	5978.2556557029	Livetime [s]
ontime3	6057.4000467062	Sum of GTIs [s]
ontime5	6057.4000467062	Sum of GTIs [s]
ontime6	6057.4000467062	Sum of GTIs [s]
ontime7	6057.4000467062	Sum of GTIs [s]
ontime8	6057.4000467062	Sum of GTIs [s]
l2events	57695	Number of level 2 events



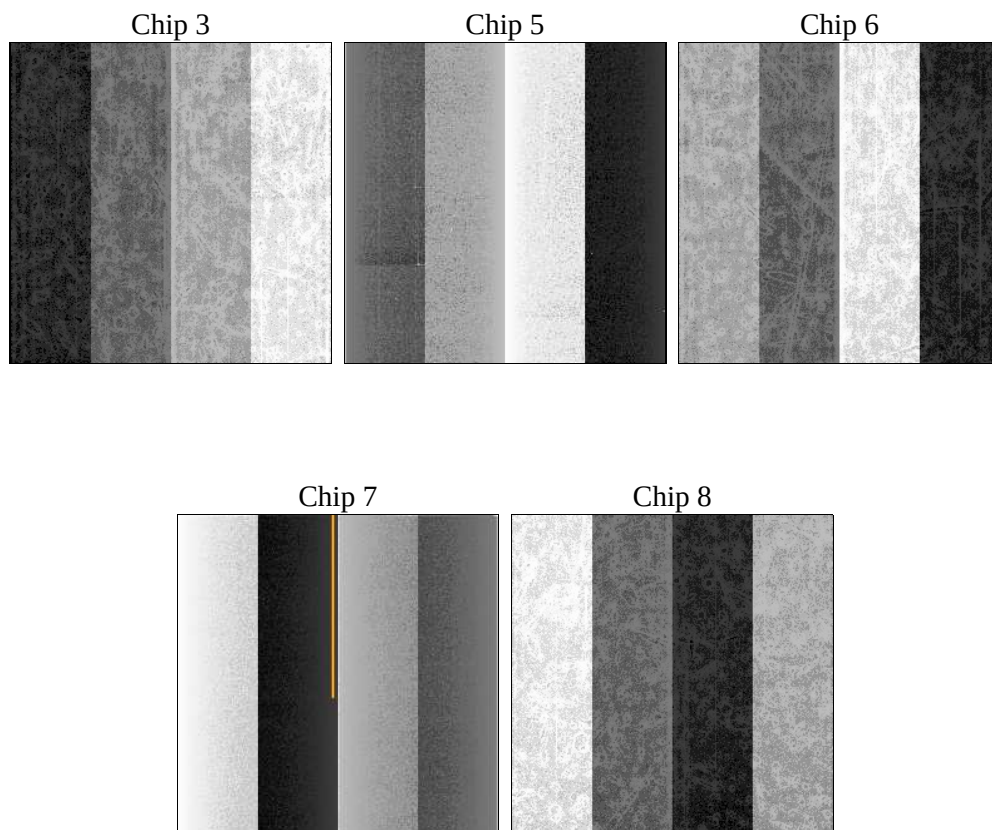
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3	Processing system revision	ontime	6057.4000467062	Sum of GTIs [s]
caldsver	4.7.0	 	ontime3	6057.4000467062	Sum of GTIs [s]
date	2016-01-07T18:04:18	Date and time of file creation	ontime5	6057.4000467062	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	6057.4000467062	Sum of GTIs [s]
			ontime7	6057.4000467062	Sum of GTIs [s]
			ontime8	6057.4000467062	Sum of GTIs [s]
			l1events	223792	Number of level 1 events

2.1.4 Events

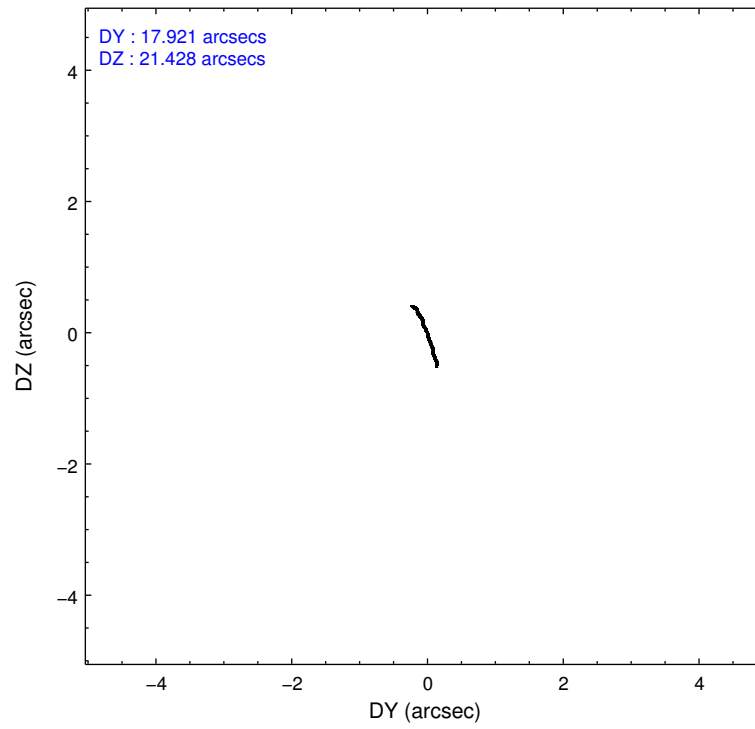
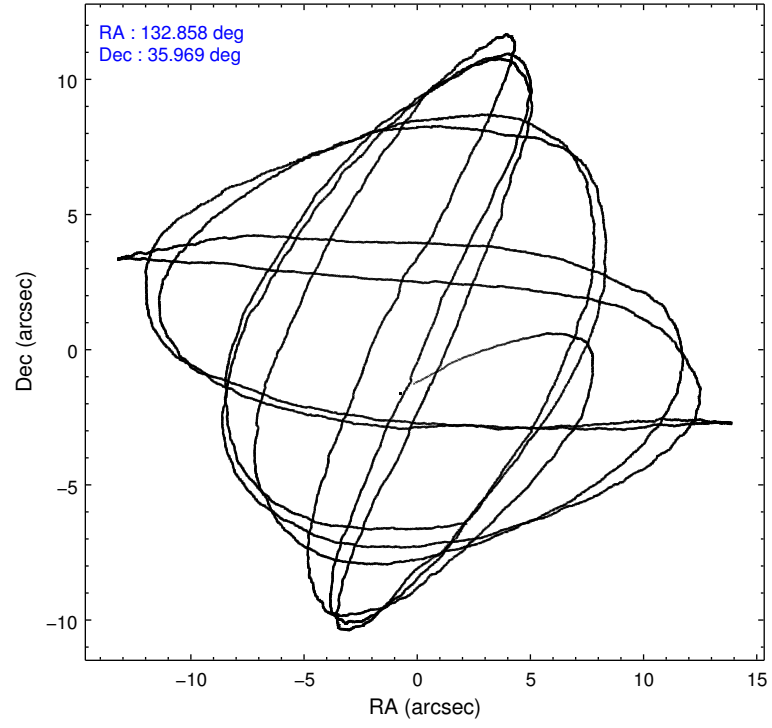
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	33785	60172	36248	47148	46439
rejected events	29966	30979	32120	26257	34052
rejected %	88%	51%	88%	55%	73%

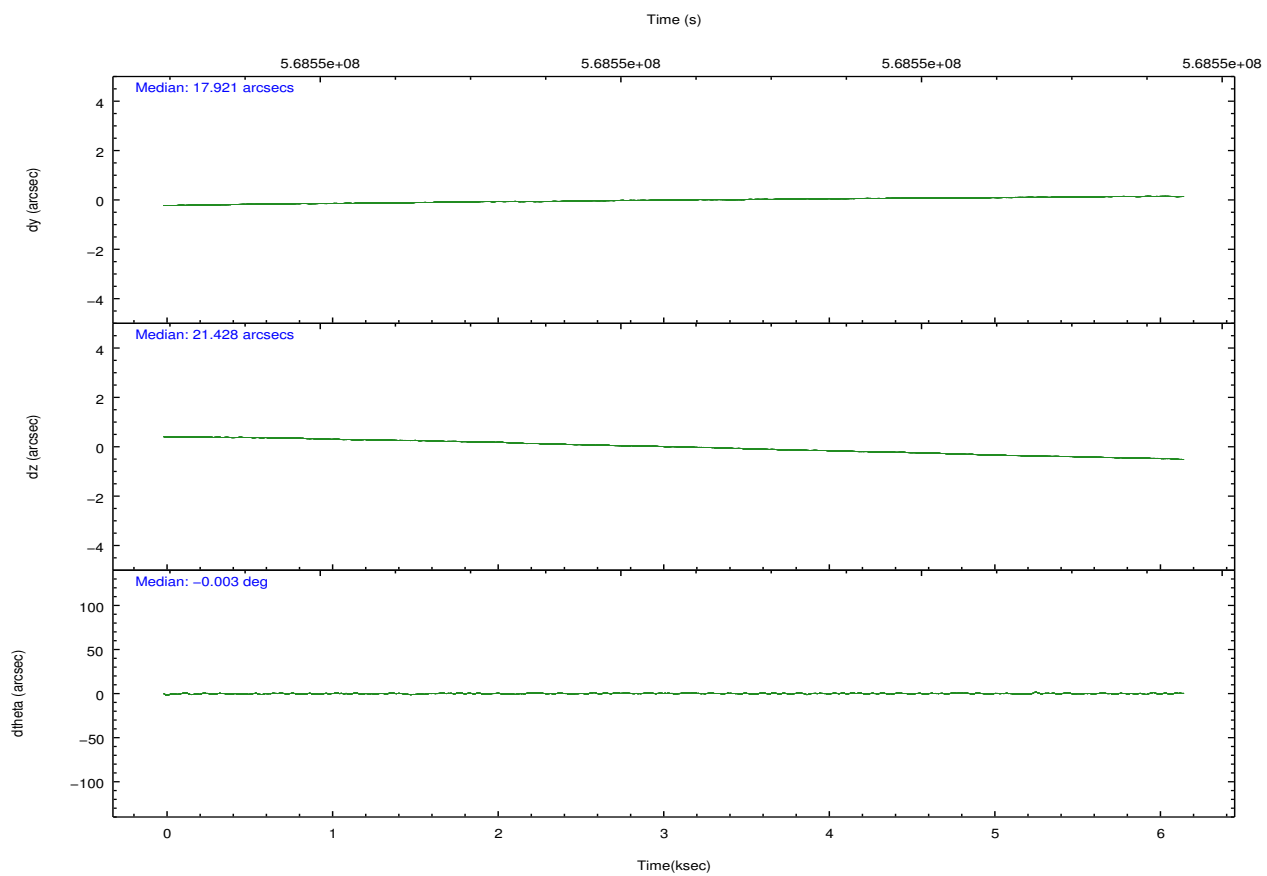
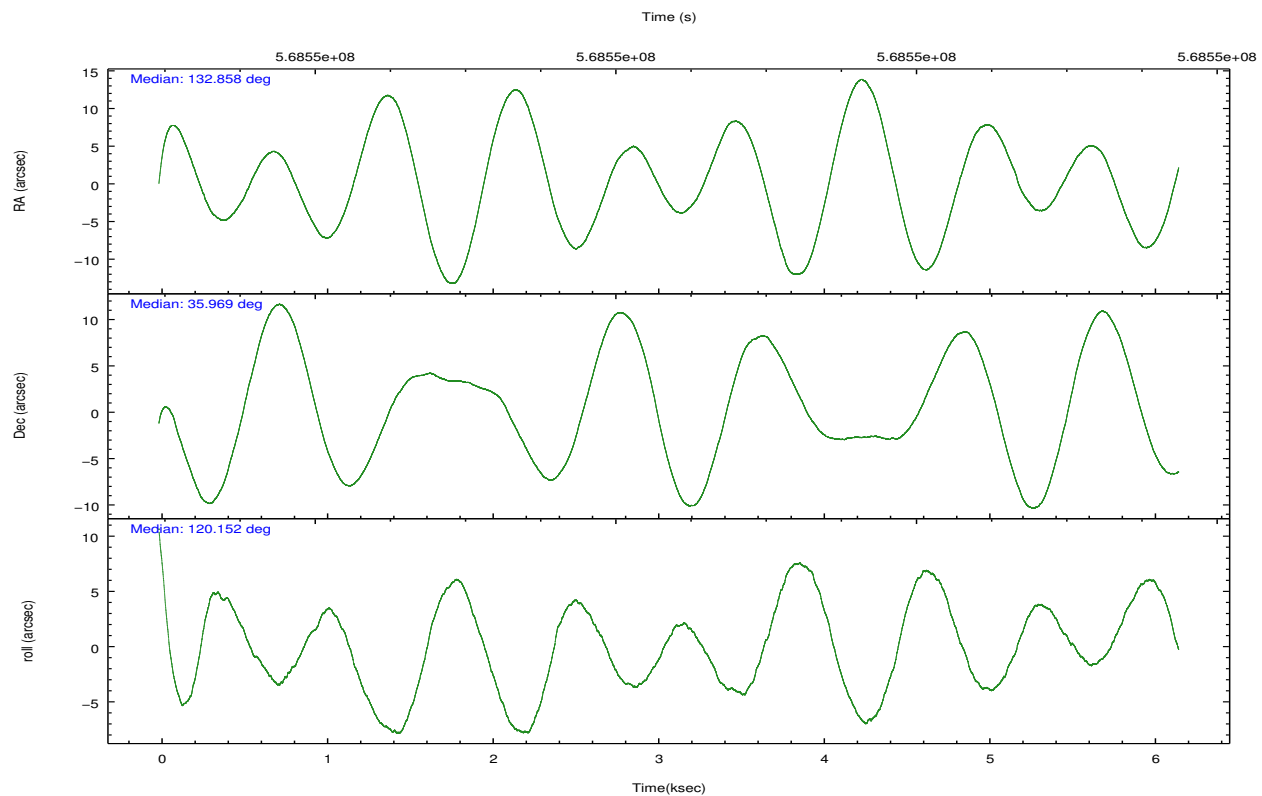
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1348	3782	1329	1908	3762
	3%	6%	3%	4%	8%
grade 1 events	19	107	20	55	37
	0%	0%	0%	0%	0%
grade 2 events	826	8651	939	4343	2927
	2%	14%	2%	9%	6%
grade 3 events	465	935	449	1703	1354
	1%	1%	1%	3%	2%
grade 4 events	388	908	409	1693	1306
	1%	1%	1%	3%	2%
grade 5 events	1703	4284	1786	4714	2475
	5%	7%	4%	9%	5%
grade 6 events	793	14927	1004	11252	3038
	2%	24%	2%	23%	6%
grade 7 events	28243	26578	30312	21480	31540
	83%	44%	83%	45%	67%

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	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	132.887400	132.8577065183327	CCD I2 on	N	N
[deg] Pointing Dec	35.955969	35.96924653224119	CCD I3 on	Y	Y
[deg] Pointing Roll	119.984153	120.1582429567798	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	O1	Y
[s] Observation start time (MET)	568545421.184000	568544092.2211	CCD S5 on	N	N
Observation start date	2016-01-07T09:15:53	2016-01-07T08:54:52	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	568551421.184000	568552422.90908	On-chip summing requested	N	N
Observation end date	2016-01-07T10:55:53	2016-01-07T11:13:42	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



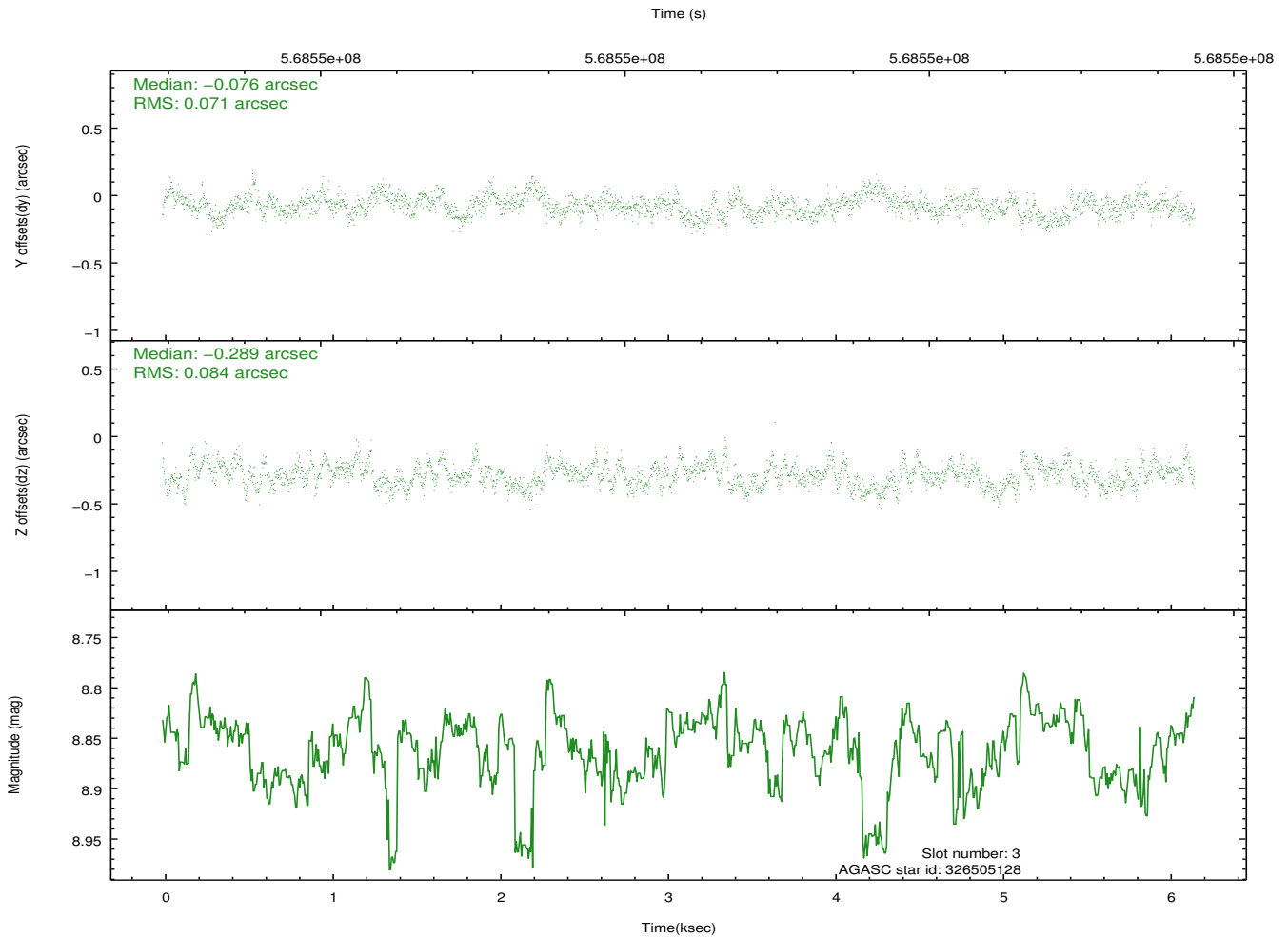
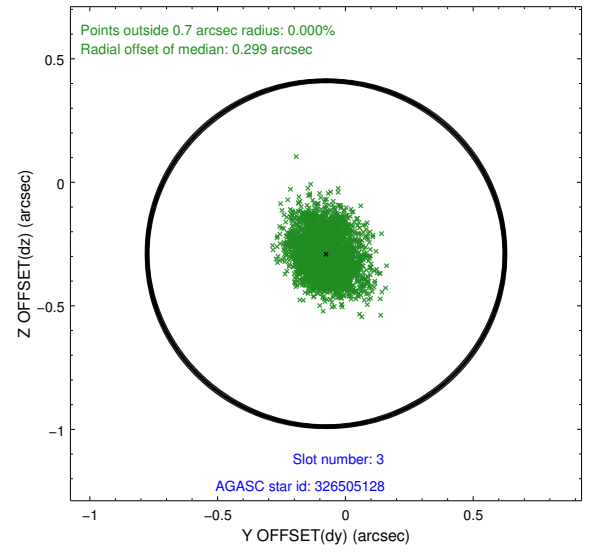
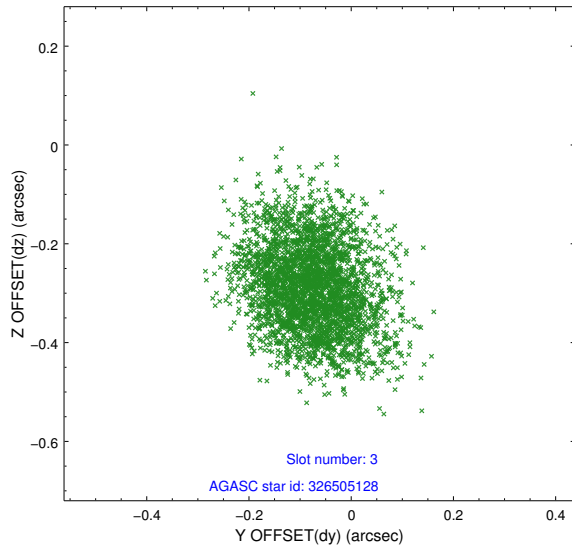


Slot Statistics

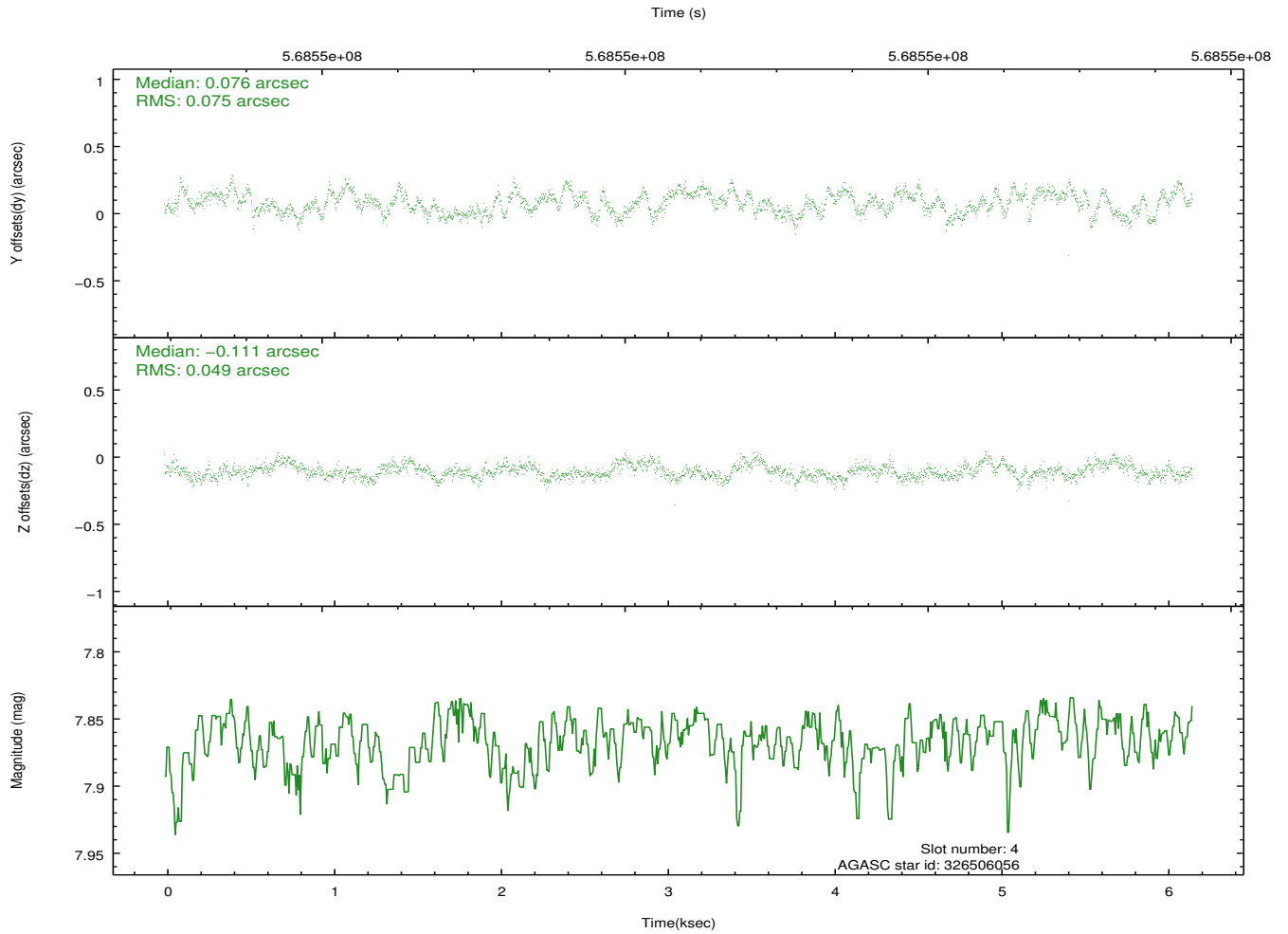
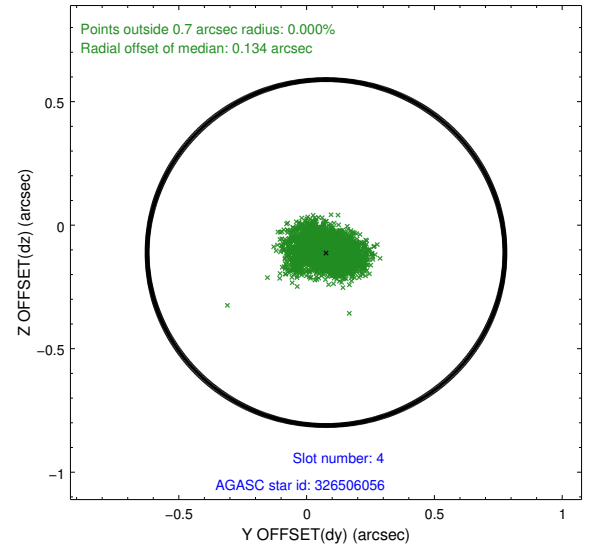
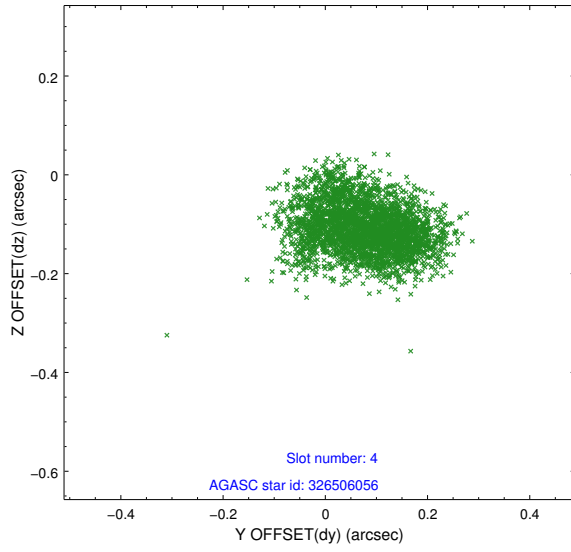
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.12	1503	-0.242	-0.172	0.009	0.015	0.000000	0.000000	-771.24	-1743.12
1	FID		ACIS-S-4	7.21	1503	0.260	0.131	0.010	0.016	0.000000	0.000000	2142.15	164.59
2	FID		ACIS-S-6	7.35	1503	-0.047	0.050	0.009	0.015	0.000000	0.000000	392.23	803.05
3	GUIDE	used	326505128	8.86	3005	-0.076	-0.289	0.118	0.190	132.632760	36.107186	842.44	369.12
4	GUIDE	used	326506056	7.87	3005	0.076	-0.111	0.097	0.151	133.086548	35.461076	-1834.00	384.87
5	GUIDE	used	326506192	6.61	3006	0.154	0.432	0.095	0.163	133.482010	35.538290	-2168.51	-759.12
6	GUIDE	used	326506672	7.78	3006	-0.023	0.292	0.085	0.137	133.078821	36.266205	689.82	-1039.59
7	GUIDE	used	326506920	8.33	3004	-0.137	-0.329	0.088	0.146	132.504020	35.379662	-1233.44	2011.38

2.4 Star Slots

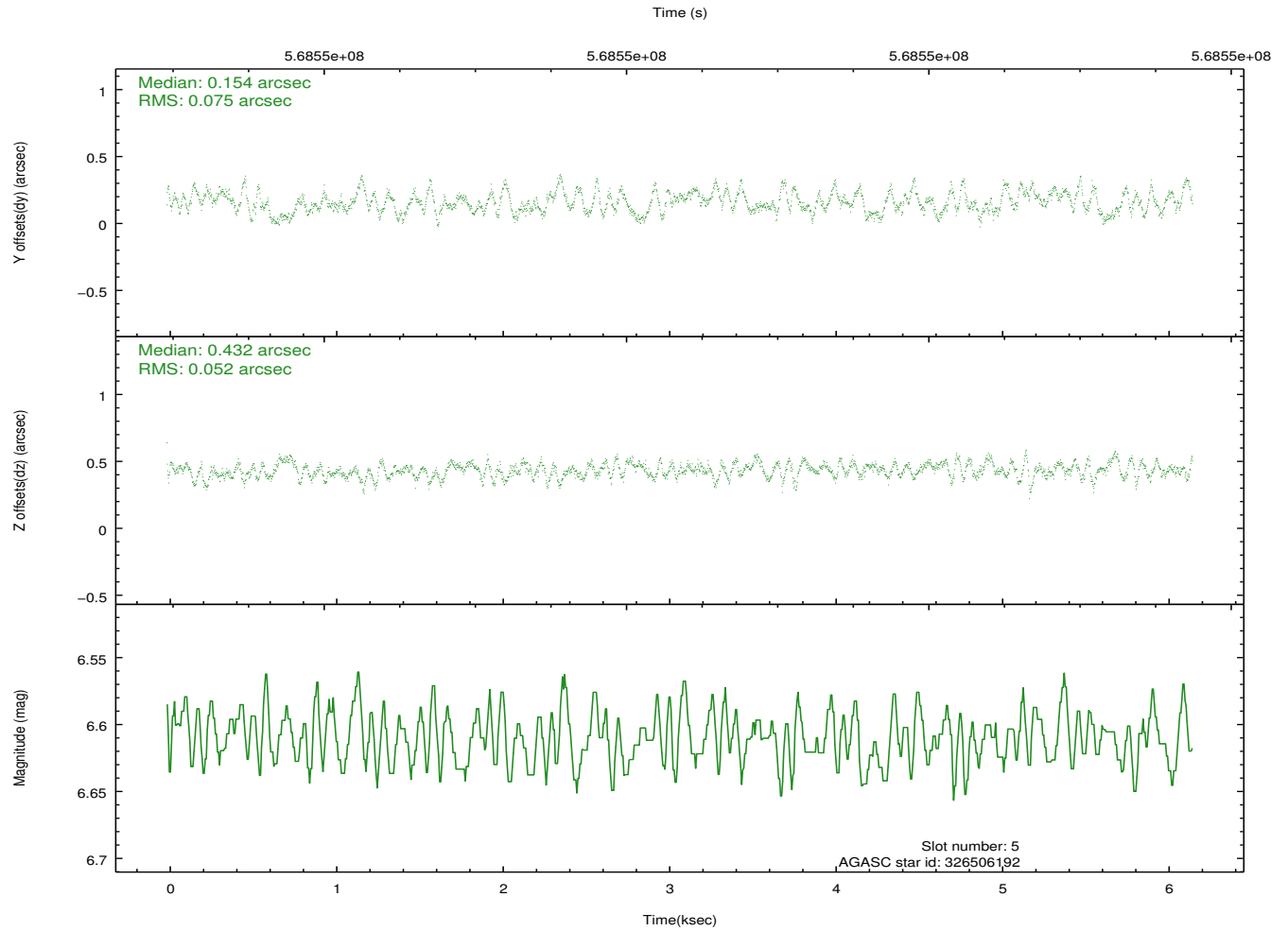
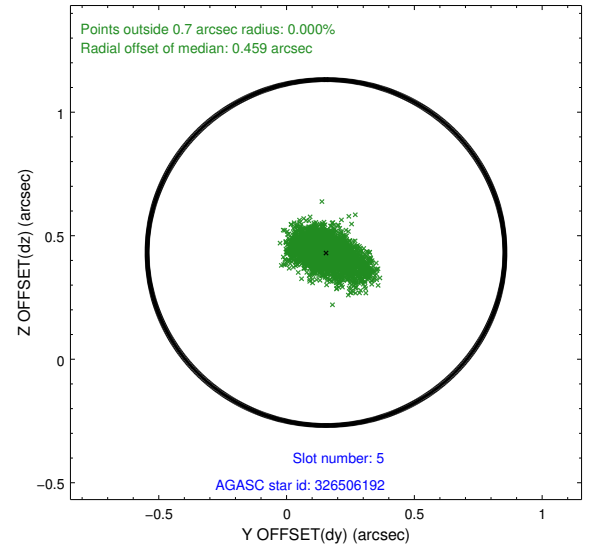
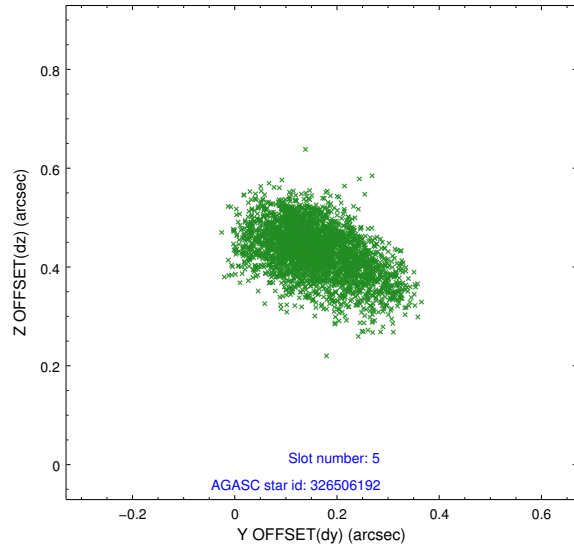
2.4.1 Slot 3



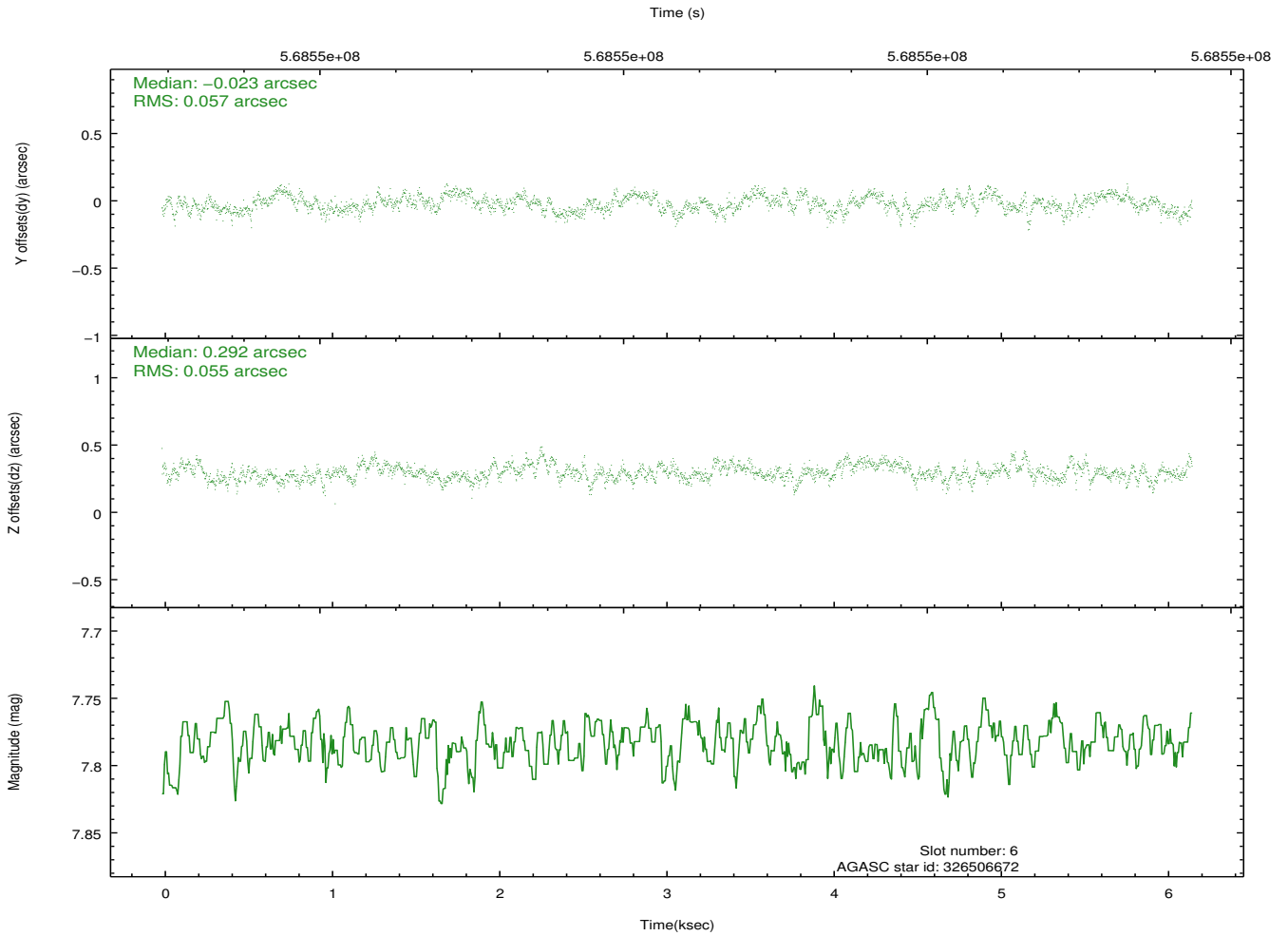
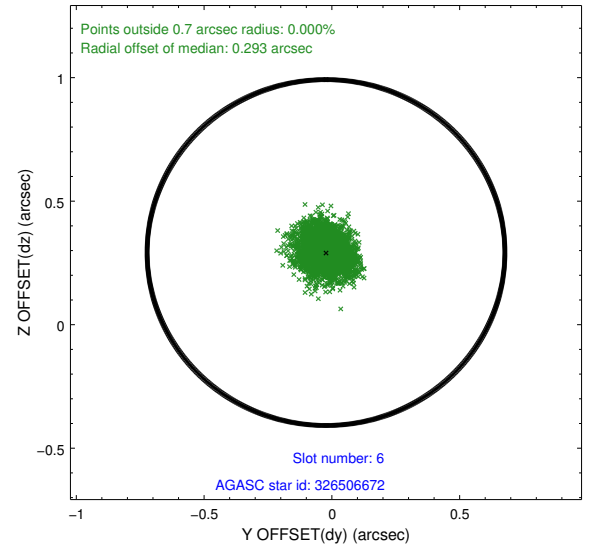
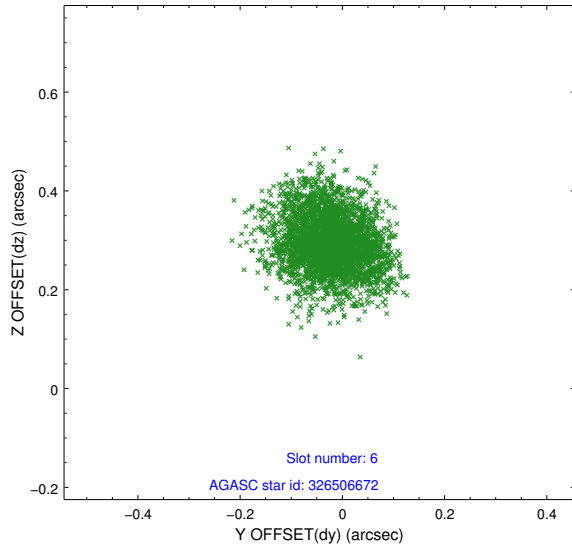
2.4.2 Slot 4



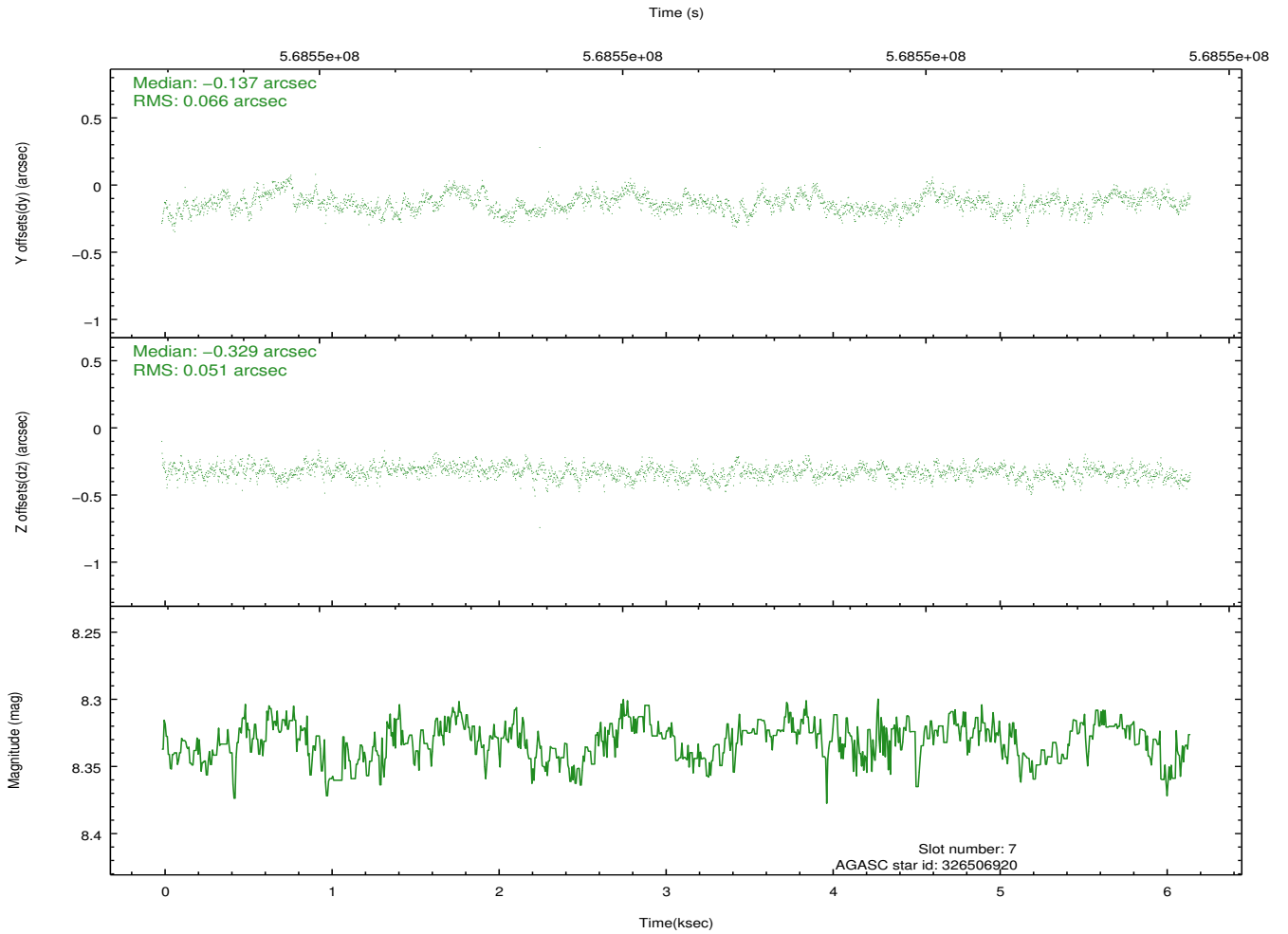
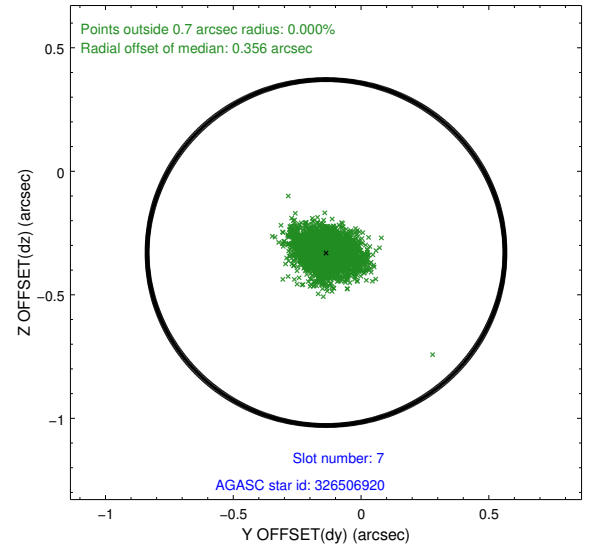
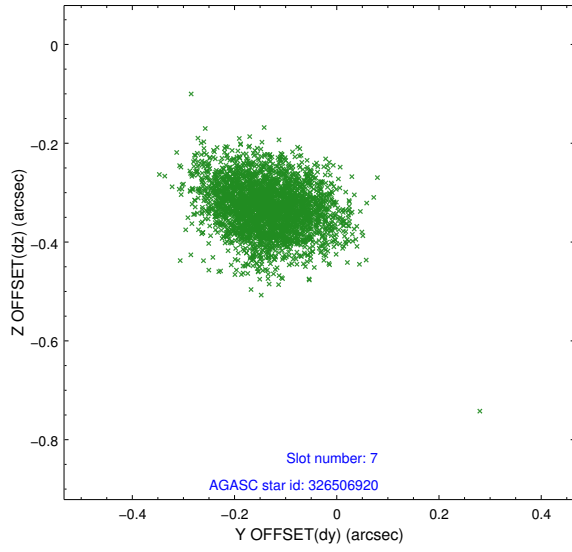
2.4.3 Slot 5



2.4.4 Slot 6

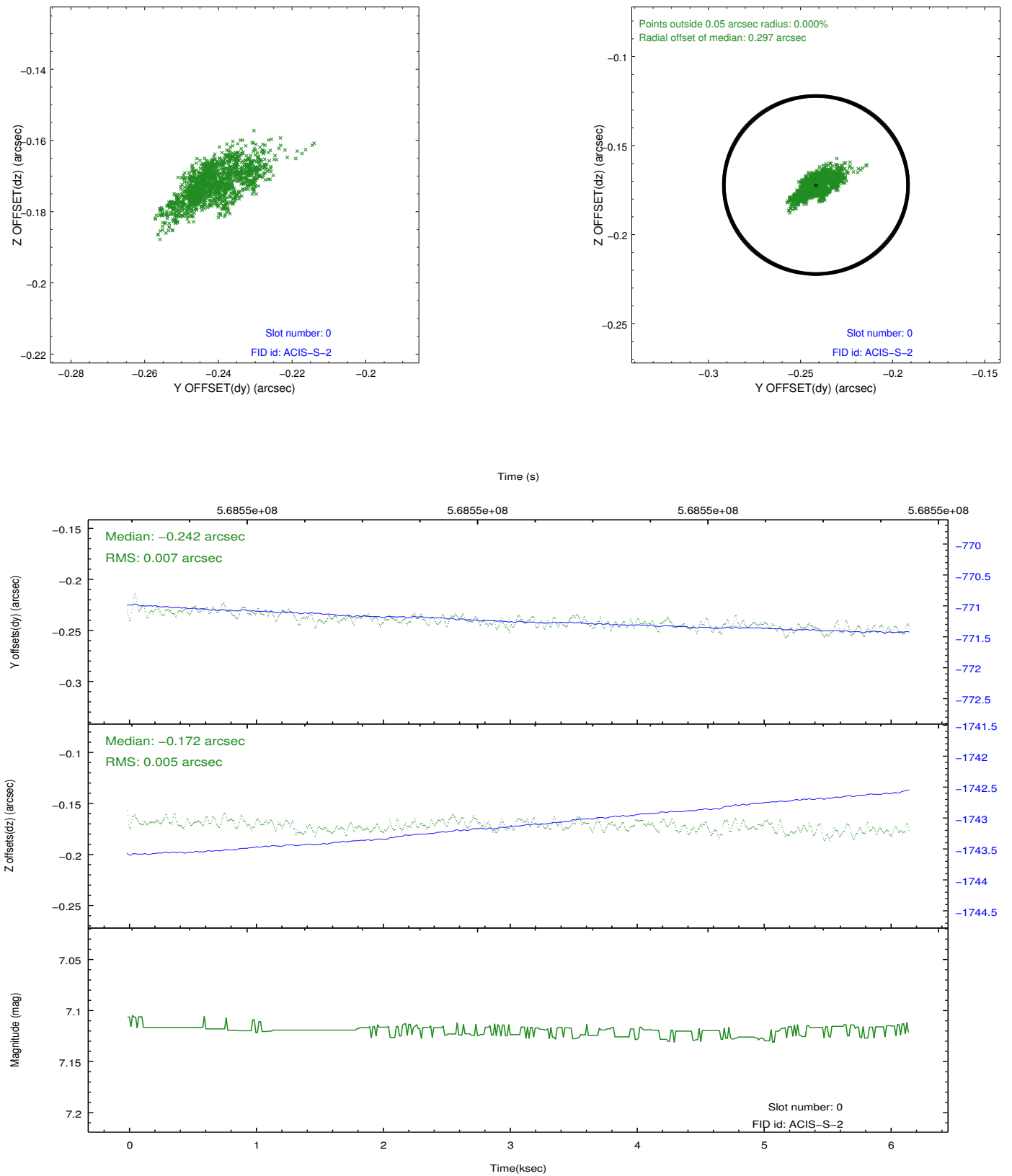


2.4.5 Slot 7

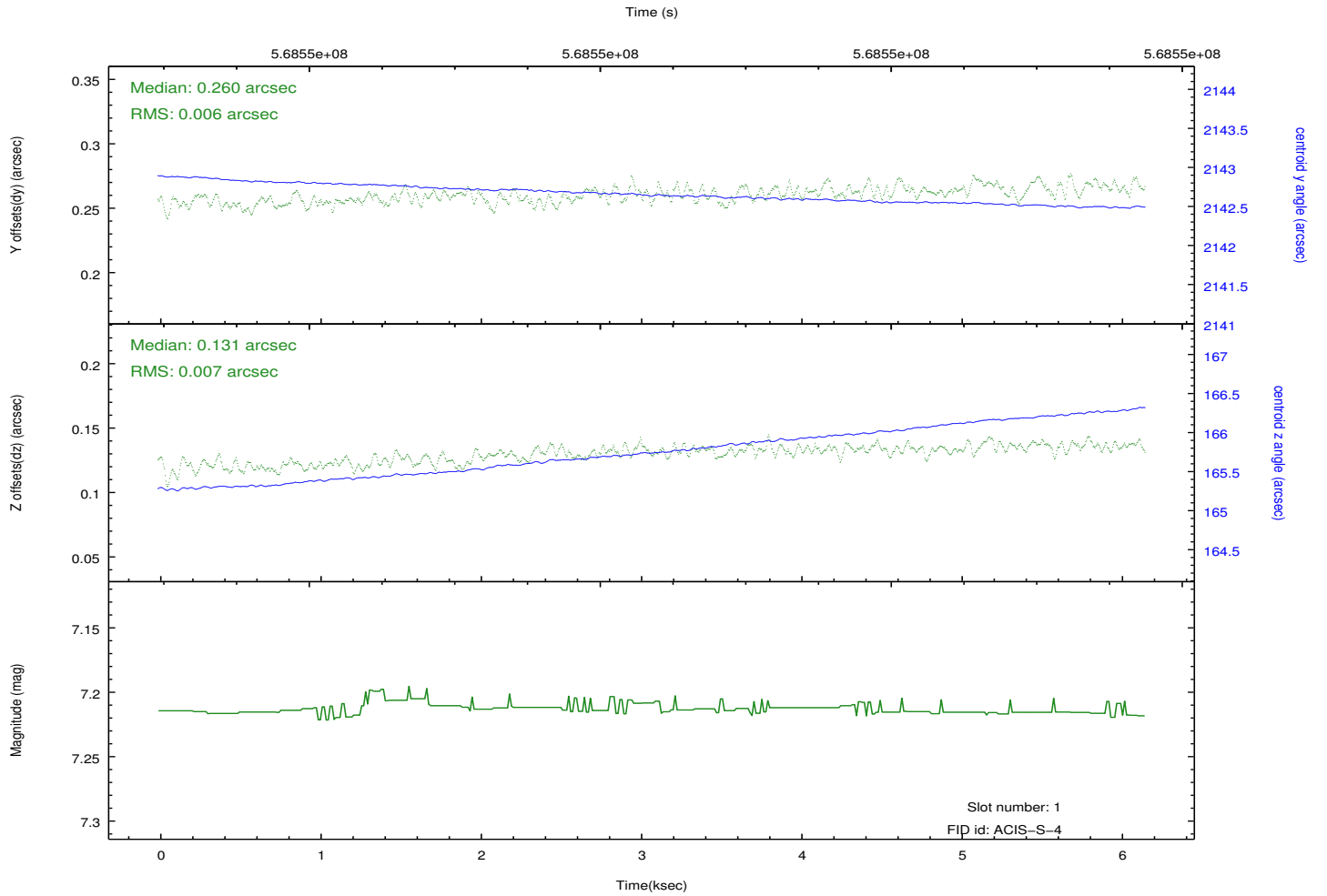
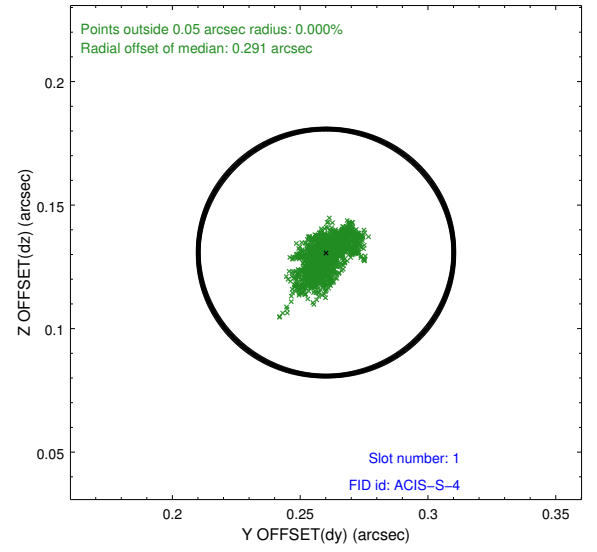
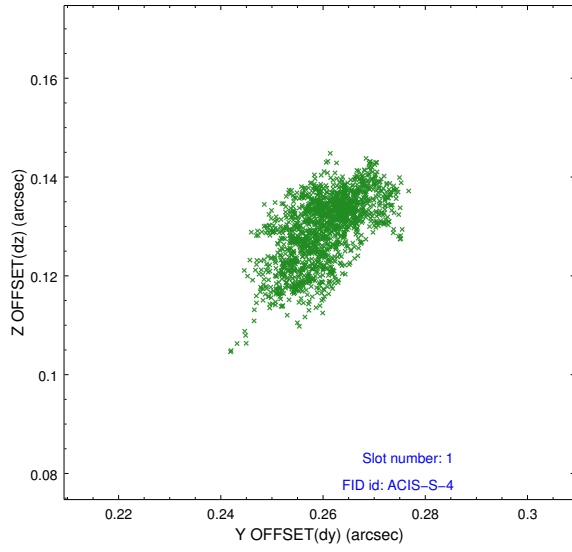


2.5 FID Slots

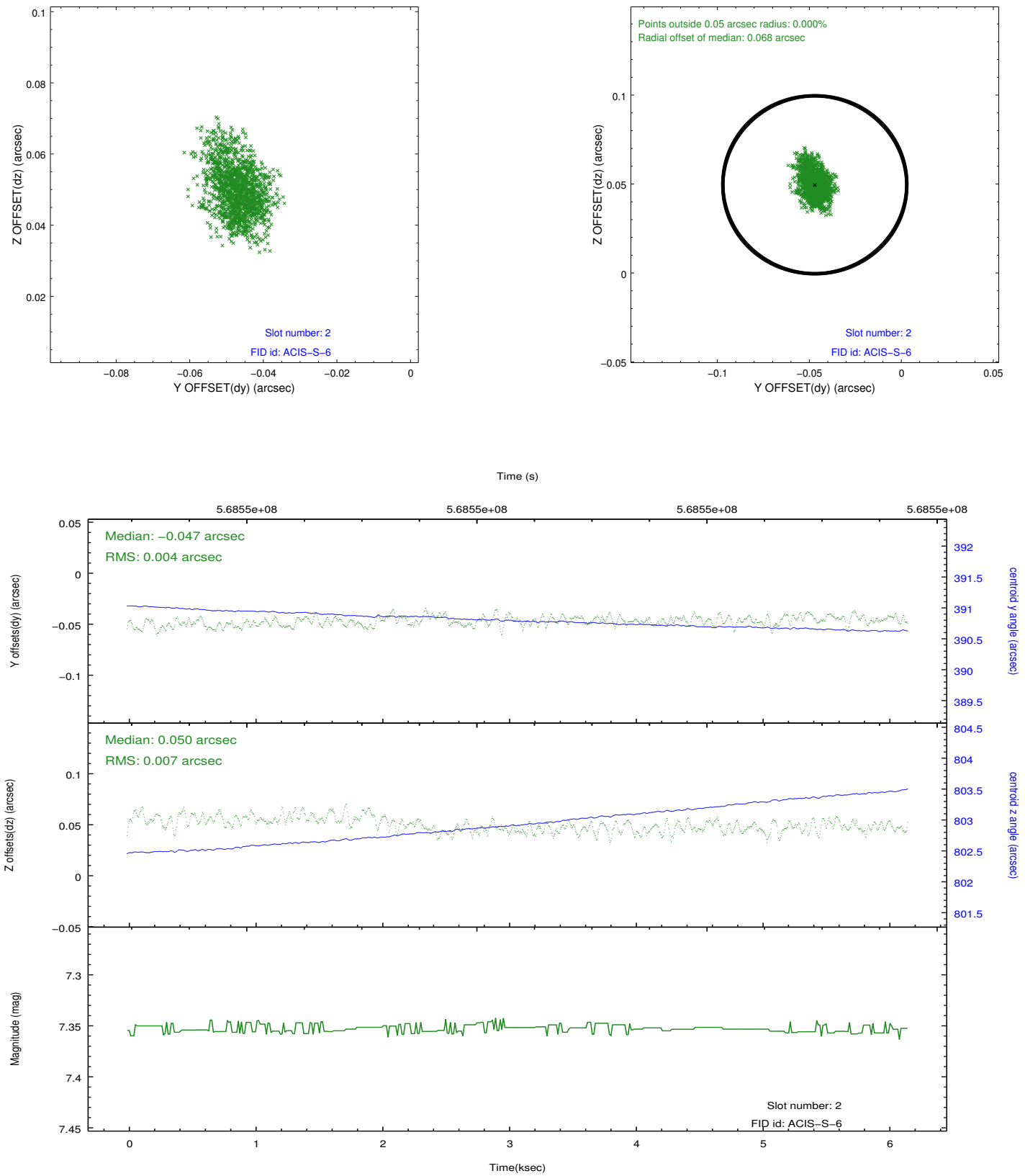
2.5.1 Slot 0



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)	2016.01.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.0574000467062

A.2 Comments

Joint proposal with HST.