

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 16650 - L2 Version 1
Chandra X-Ray Center

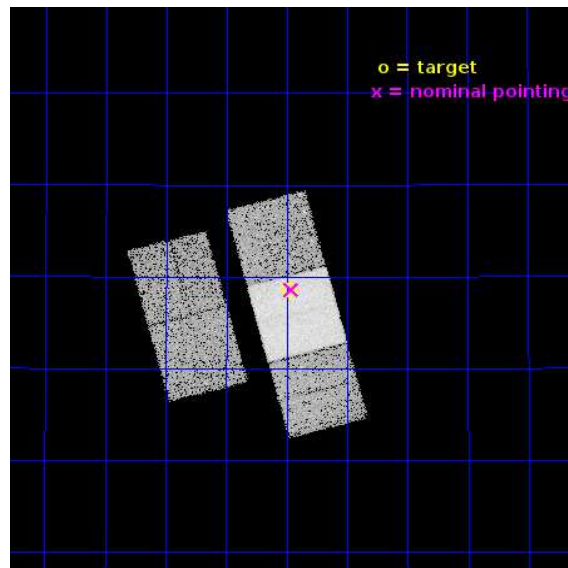
L2 Processing Date : Dec 12 2015

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1 Front

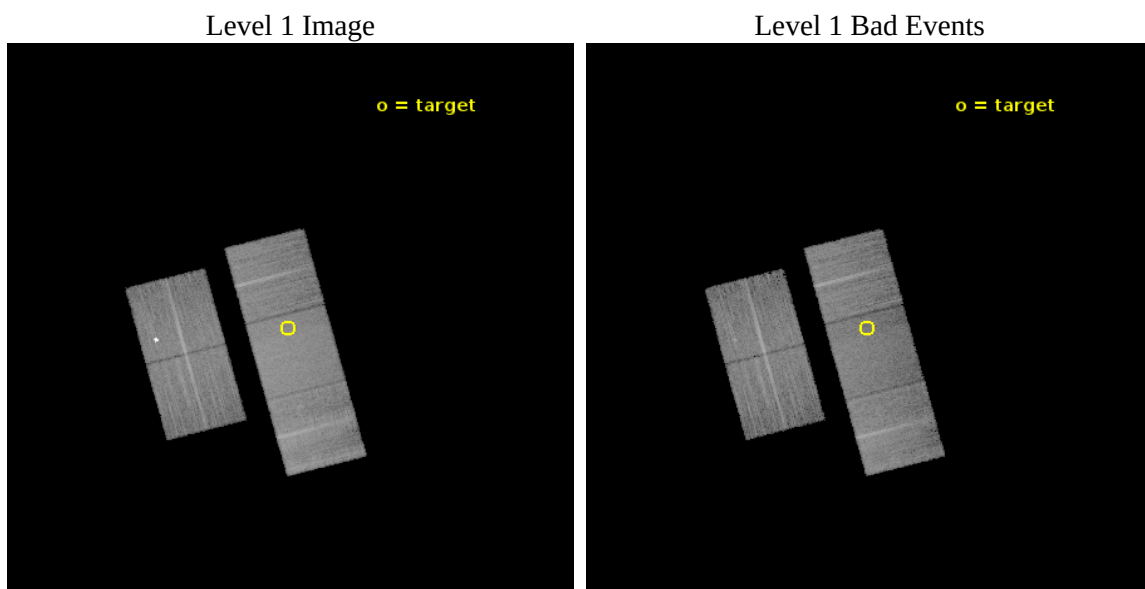
seq_num	200972	Sequence number
obs_id	16650	Observation id
title	Rejuvenation of the Innocent Bystander: Testing Spin-Up in a Dwarf Carbon Star Sample	Proposal title
observer	Dr. Paul Green	Principal investigator
object	SDSS J090128.28+323833.5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	135.367917	Observer's specified target RA [deg]
dec_targ	32.642667	Observer's specified target Dec [deg]
ra_nom	135.36513483002	Nominal RA [deg]
dec_nom	32.643280260647	Nominal Dec [deg]
roll_nom	75.158119476354	Nominal Roll [deg]
revision	1	Processing version of data
ontime	18562.28795135	Sum of GTIs [s]
livetime	18319.757993908	Livetime [s]
ontime2	18562.123791337	Sum of GTIs [s]
ontime3	18562.205871344	Sum of GTIs [s]
ontime6	18559.105831027	Sum of GTIs [s]
ontime7	18562.28795135	Sum of GTIs [s]
ontime8	18555.8826406	Sum of GTIs [s]
l2events	94332	Number of level 2 events



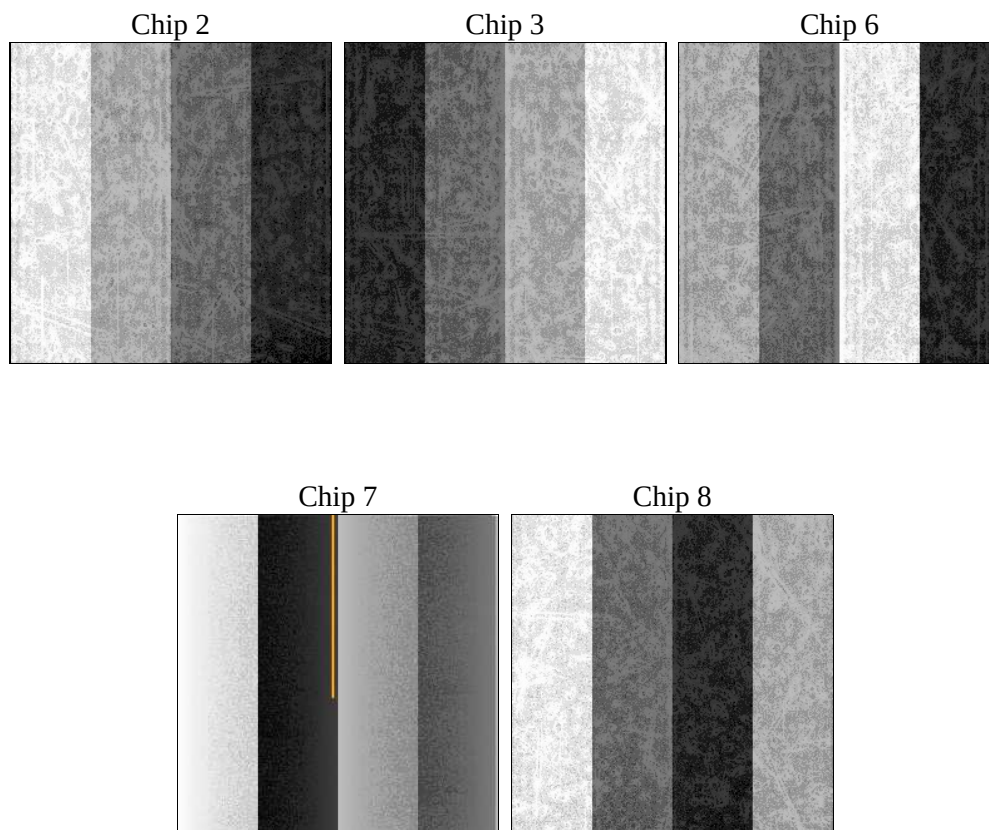
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	18500.000000	[s] Scheduled observation exposure time
ascdsver	10.4.2.1	Processing system revision	ontime	18562.28795135	Sum of GTIs [s]
caldsver	4.6.10a	 	ontime2	18562.123791337	Sum of GTIs [s]
date	2015-12-12T19:39:50	Date and time of file creation	ontime3	18562.205871344	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	18559.105831027	Sum of GTIs [s]
			ontime7	18562.28795135	Sum of GTIs [s]
			ontime8	18555.8826406	Sum of GTIs [s]
			l1events	582856	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	111373	99529	104505	134089	133360
rejected events	89819	89030	92860	78023	101125
rejected %	80%	89%	88%	58%	75%

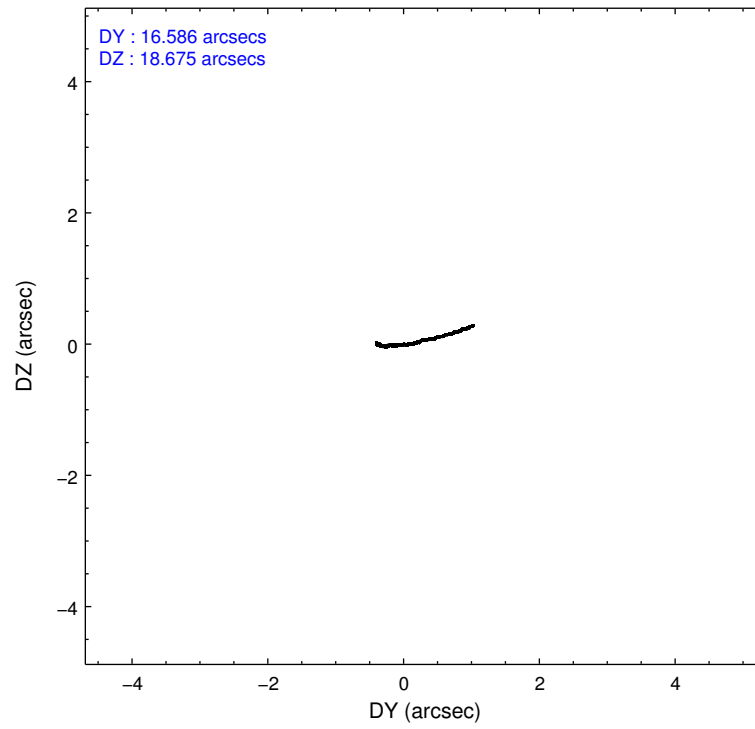
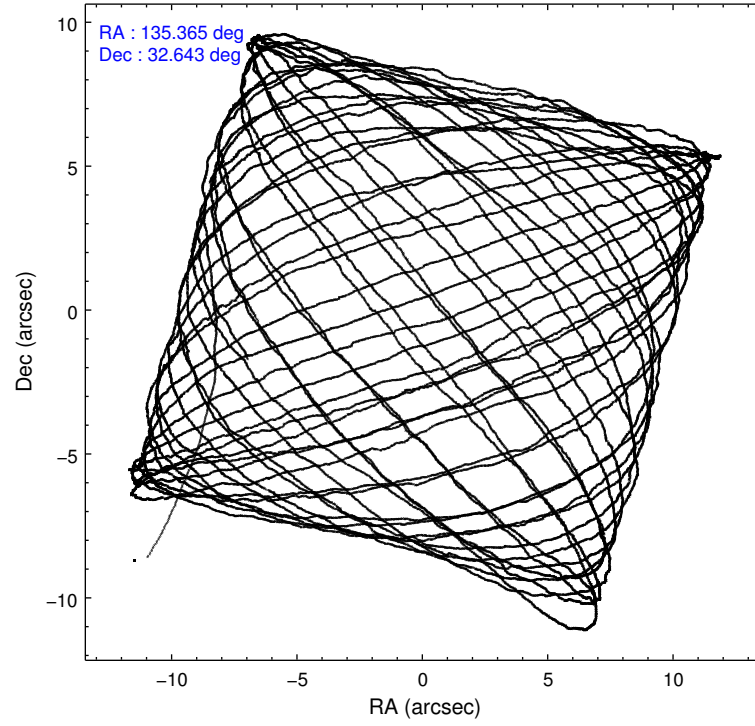
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	14913	3623	3654	4310	9190
	13%	3%	3%	3%	6%
grade 1 events	125	47	38	161	86
	0%	0%	0%	0%	0%
grade 2 events	2375	2346	2848	11626	7951
	2%	2%	2%	8%	5%
grade 3 events	1063	1173	1100	4329	3229
	0%	1%	1%	3%	2%
grade 4 events	1066	1087	1085	4100	3029
	0%	1%	1%	3%	2%
grade 5 events	4013	4735	4801	12838	7381
	3%	4%	4%	9%	5%
grade 6 events	2139	2271	2960	31708	8857
	1%	2%	2%	23%	6%
grade 7 events	85679	84247	88019	65017	93637
	76%	84%	84%	48%	70%

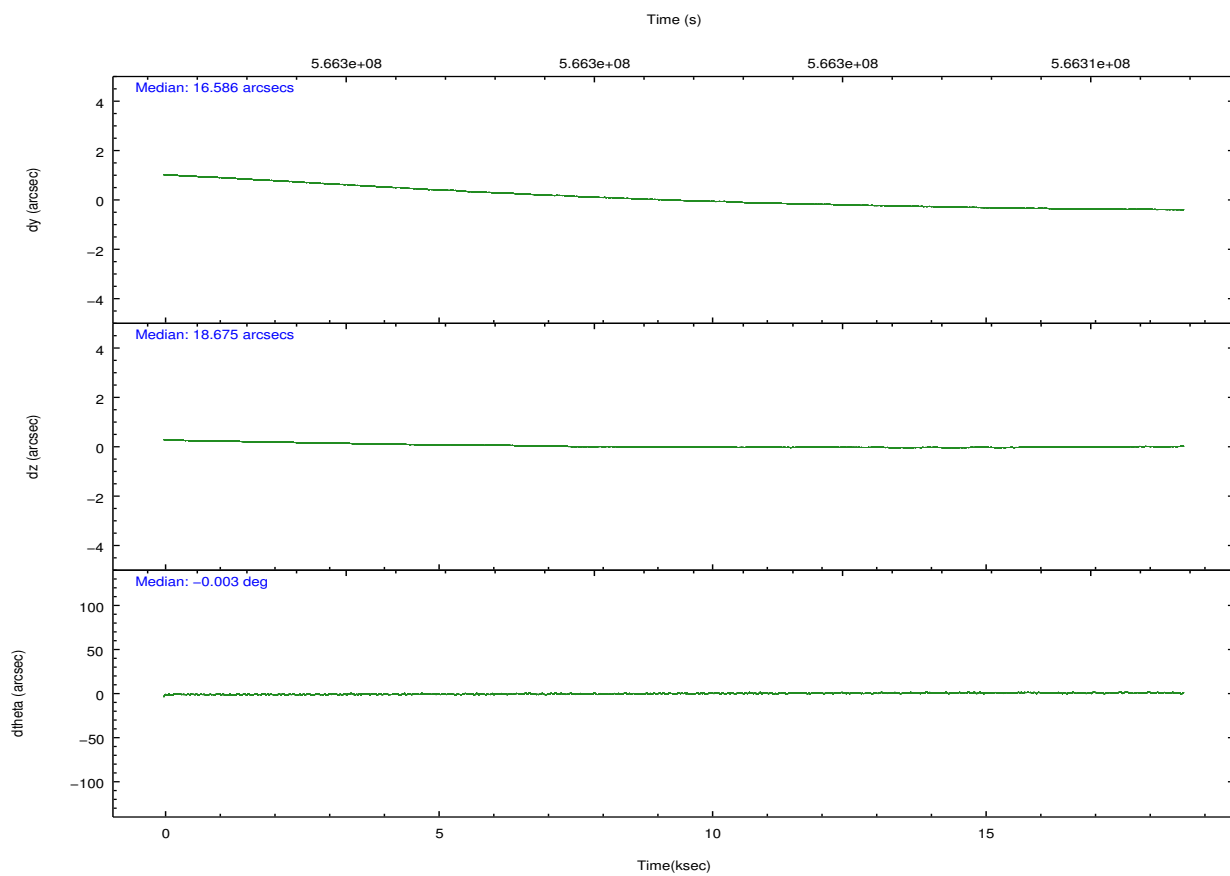
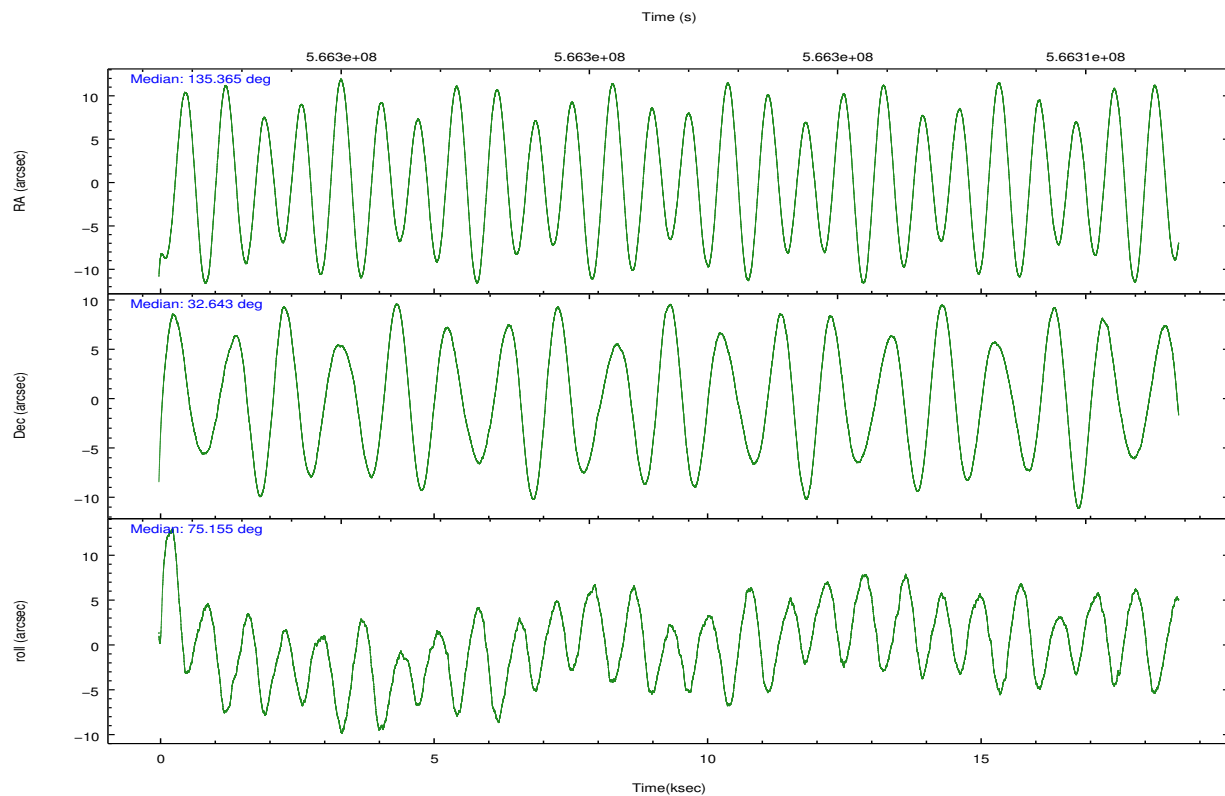
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-23678	ACIS-23678
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	135.374091	135.3651348300211
[deg] Pointing Dec	32.616850	32.64328026064667
[deg] Pointing Roll	74.996674	75.15811947635434
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.145094680475
[mm] SIM translation stage offset	0	0.01257209746719923
[s] Observation start time (MET)	566292400.184000	566291013.9682699
Observation start date	2015-12-12T07:25:32	2015-12-12T07:03:33
[s] Observation end time (MET)	566310900.184000	566312203.79447
Observation end date	2015-12-12T12:33:52	2015-12-12T12:56:43
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	N	N
CCD I1 on	N	N
CCD I2 on	O1	Y
CCD I3 on	Y	Y
CCD S0 on	N	N
CCD S1 on	N	N
CCD S2 on	Y	Y
CCD S3 on	Y	Y
CCD S4 on	O2	Y
CCD S5 on	N	N
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



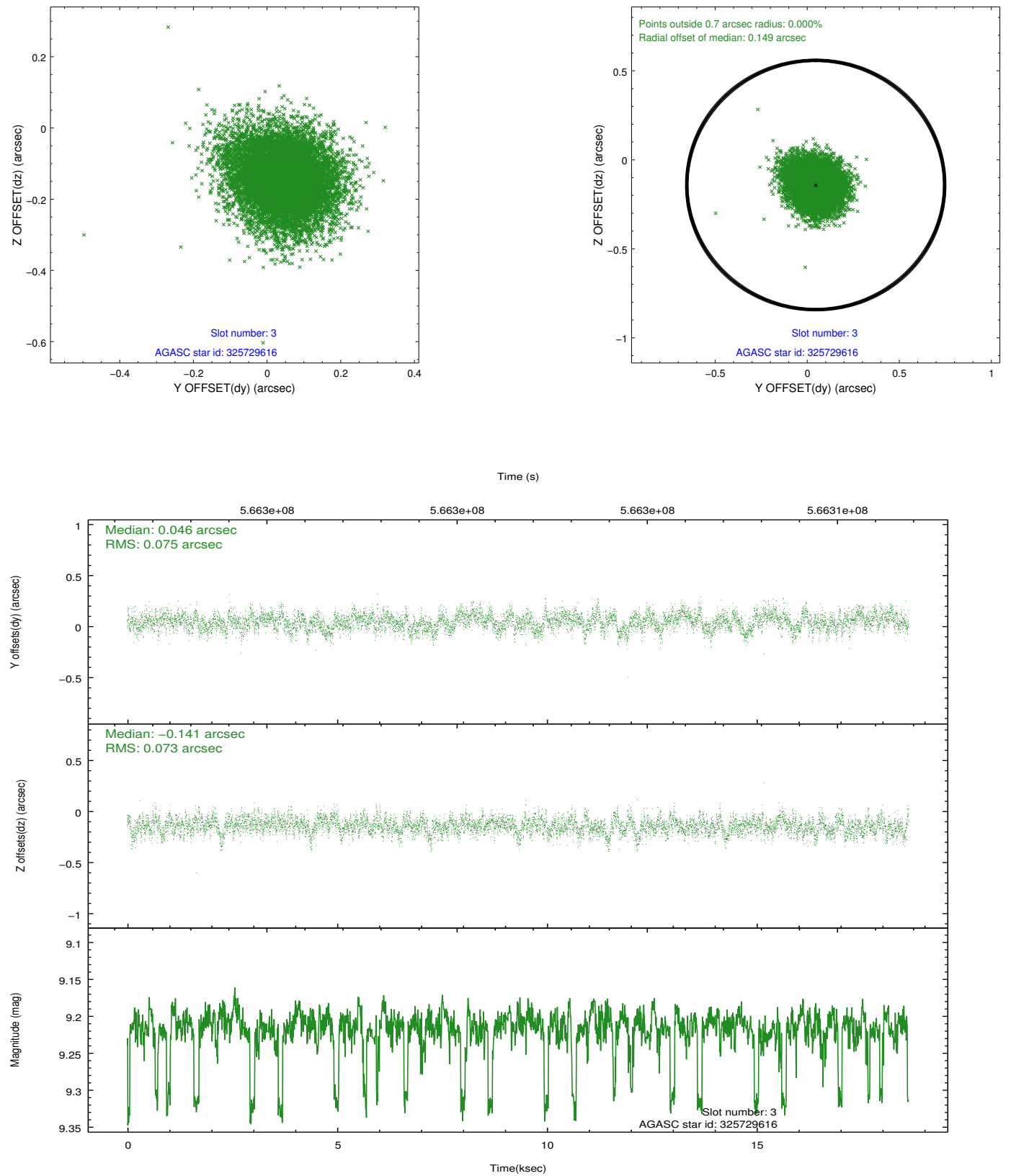


Slot Statistics

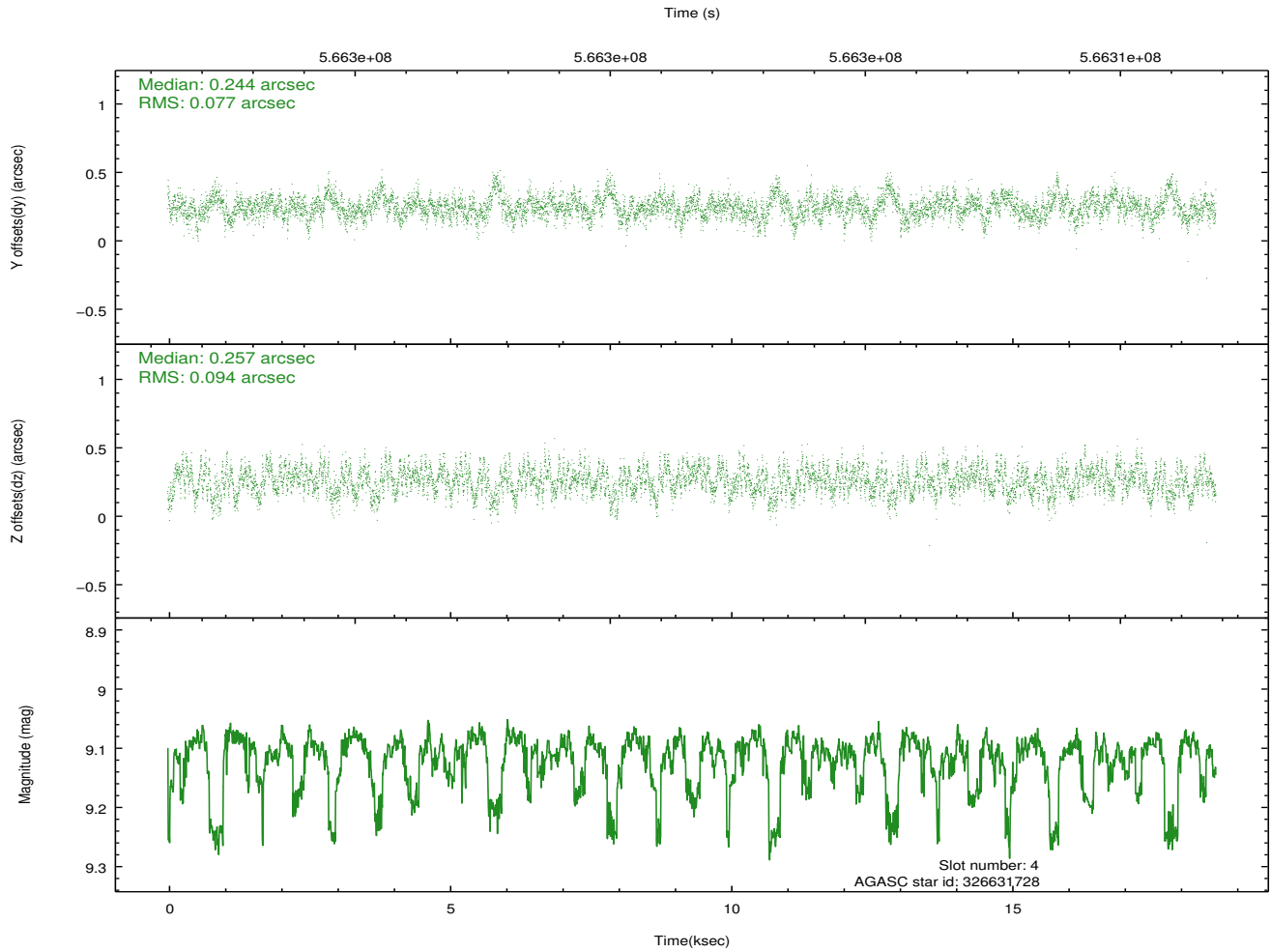
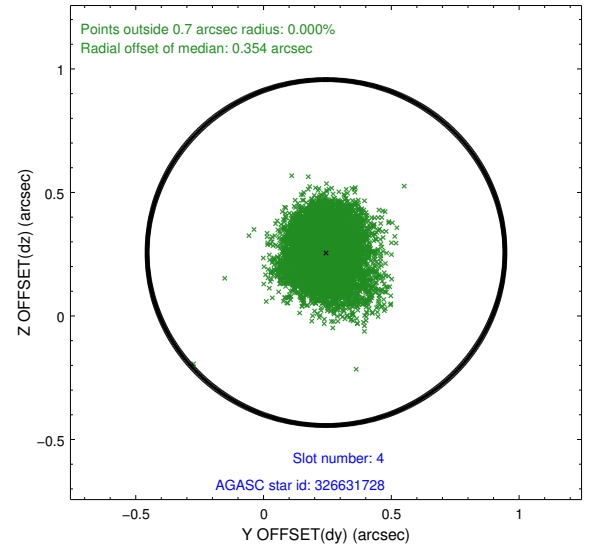
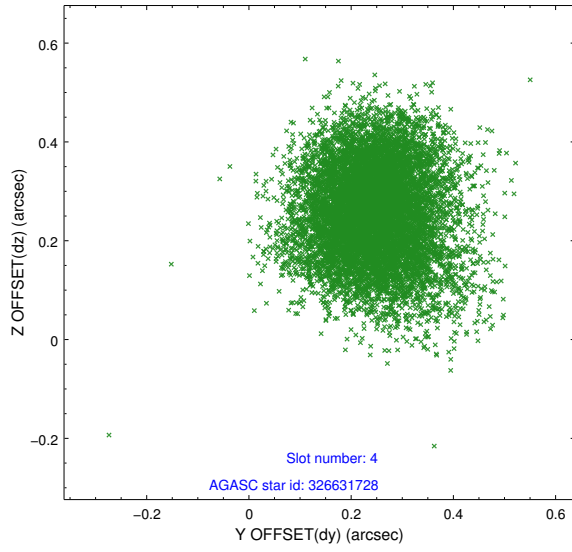
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.14	4547	-0.279	-0.198	0.007	0.014	0.000000	0.000000	-770.03	-1740.27
1	FID		ACIS-S-4	7.24	4546	0.314	0.148	0.006	0.011	0.000000	0.000000	2143.78	168.27
2	FID		ACIS-S-6	7.39	4547	-0.063	0.057	0.009	0.015	0.000000	0.000000	392.50	805.85
3	GUIDE	used	325729616	9.22	9082	0.046	-0.141	0.111	0.180	134.854392	32.193326	-1879.64	1134.85
4	GUIDE	used	326631728	9.11	9093	0.244	0.257	0.129	0.209	135.495663	32.149498	-1531.28	-792.10
5	GUIDE	used	326631880	7.82	9091	0.027	-0.198	0.090	0.149	135.057613	32.092507	-2072.47	445.05
6	GUIDE	used	327030776	8.69	9093	-0.192	0.164	0.113	0.187	136.223710	32.863278	1531.41	-2248.89
7	GUIDE	used	327031432	7.21	9094	-0.128	-0.081	0.101	0.161	135.815591	32.881429	1266.76	-1035.81

2.4 Star Slots

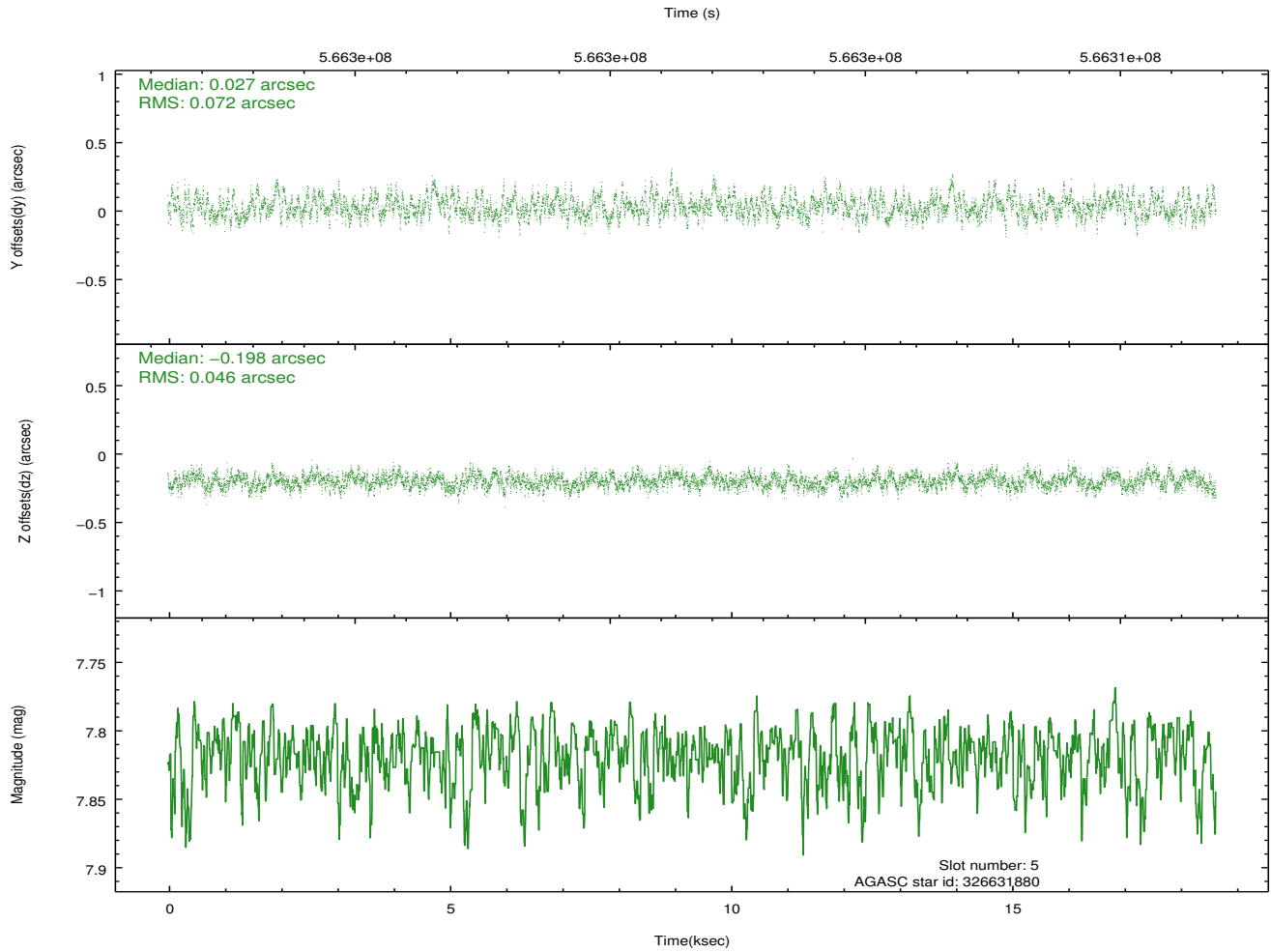
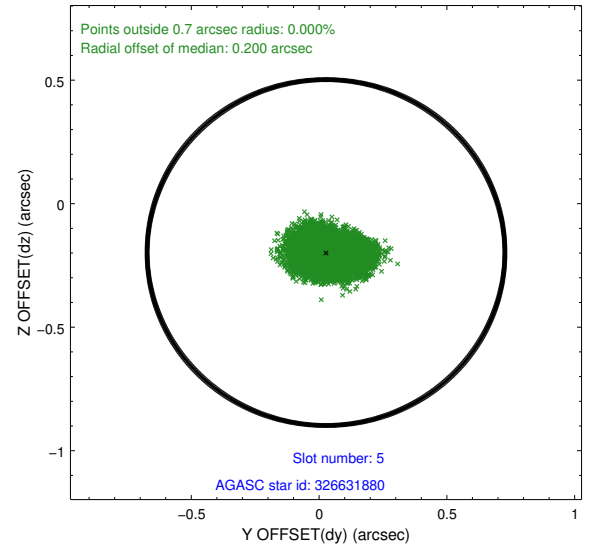
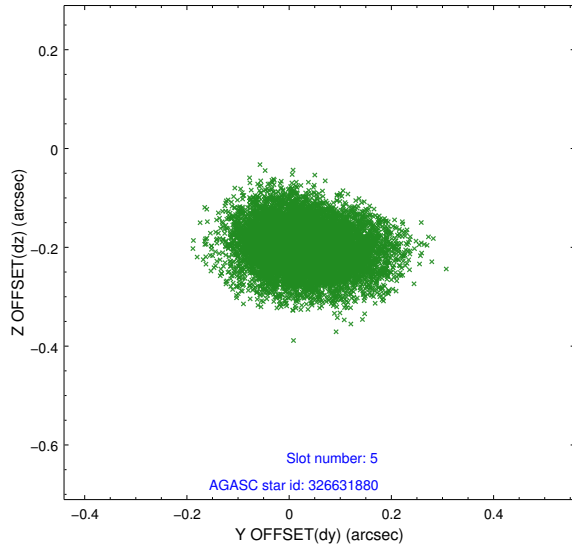
2.4.1 Slot 3



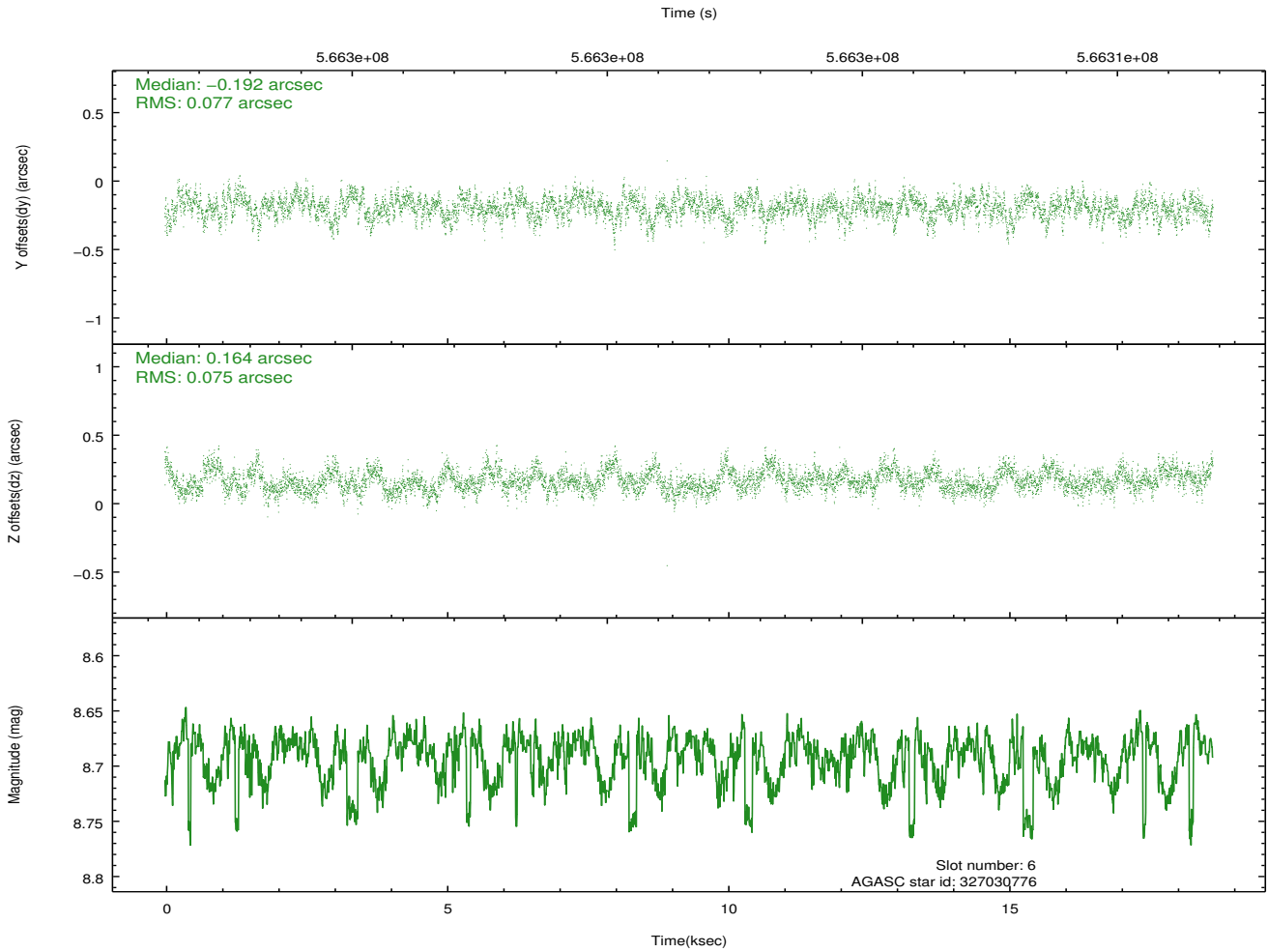
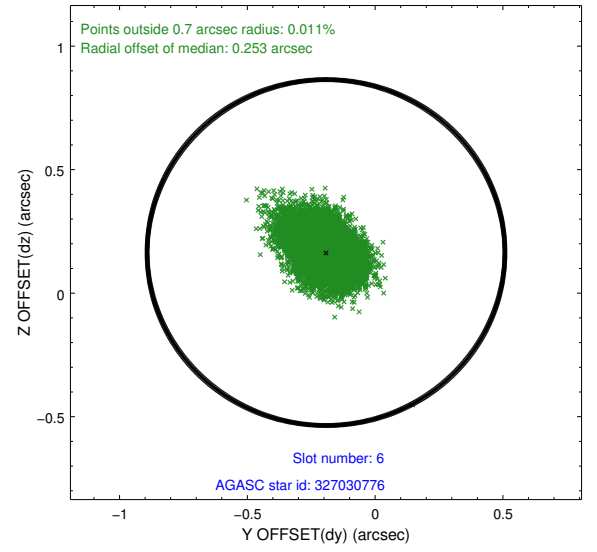
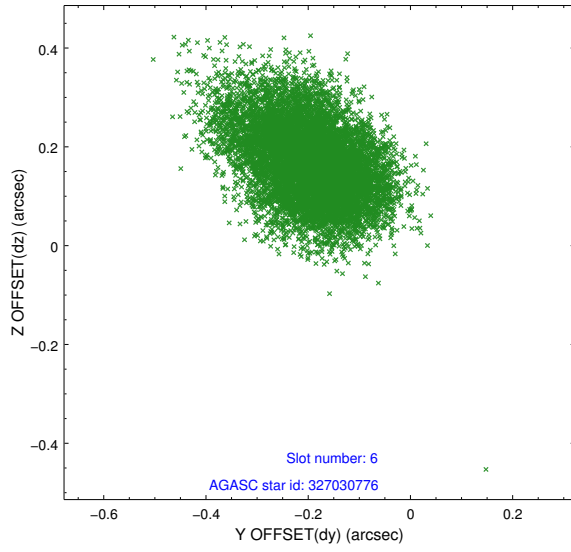
2.4.2 Slot 4



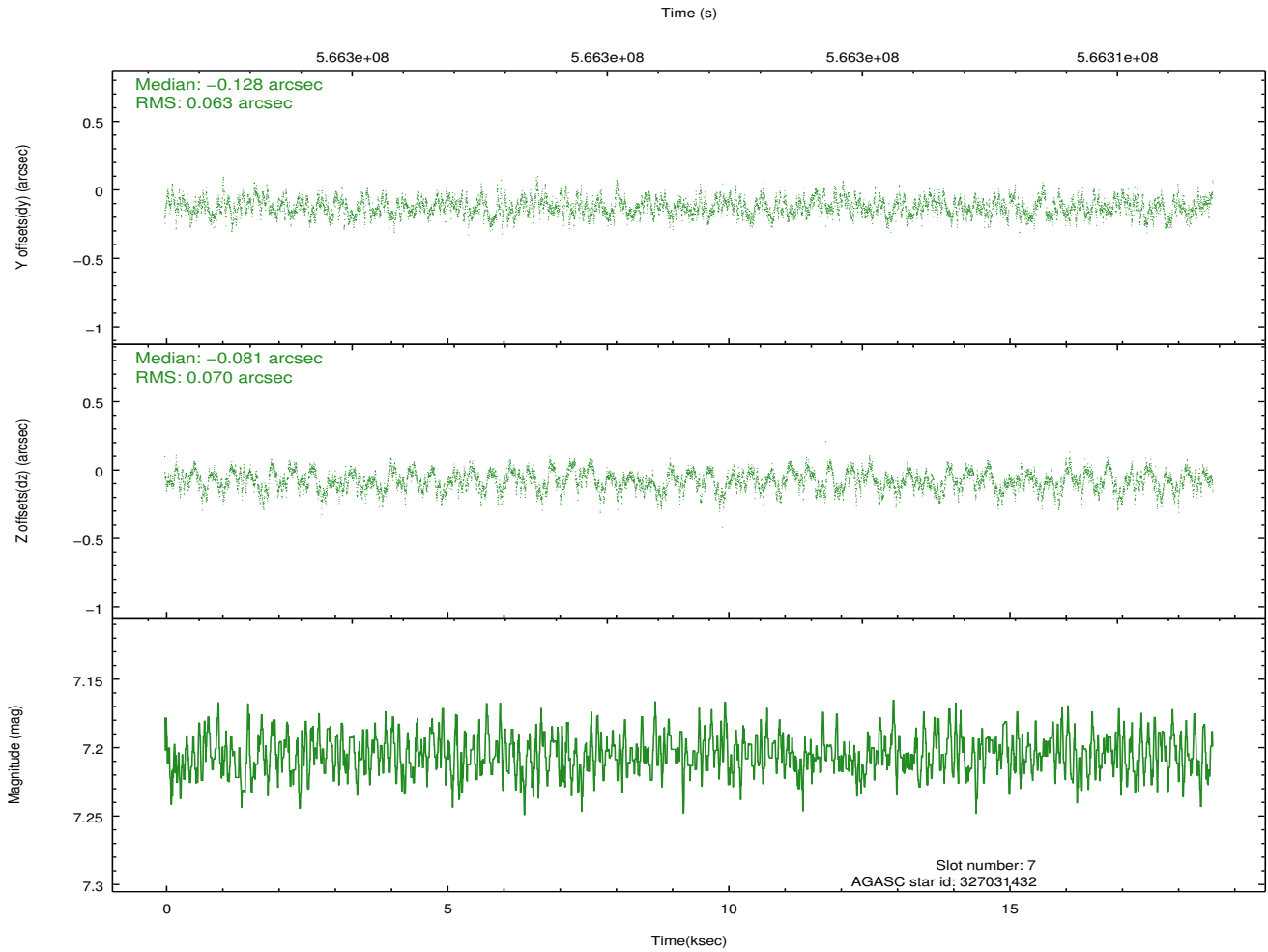
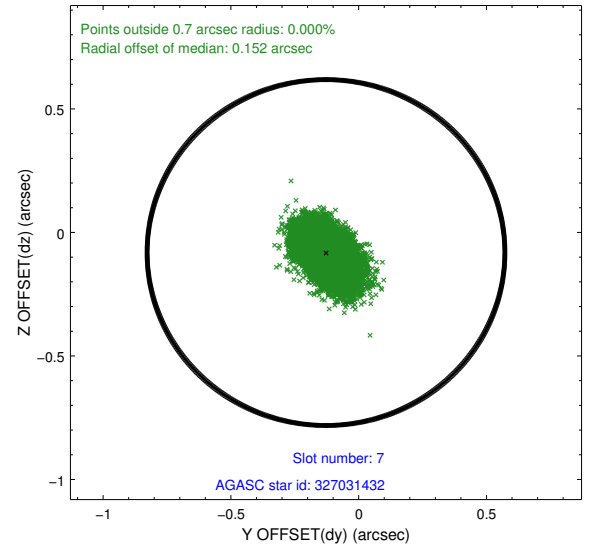
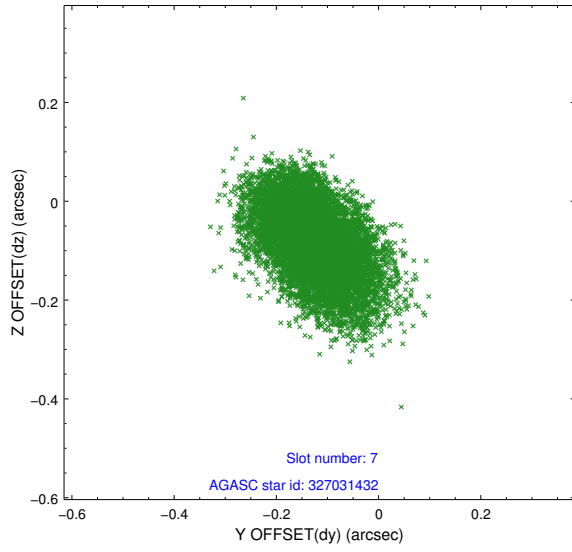
2.4.3 Slot 5



2.4.4 Slot 6

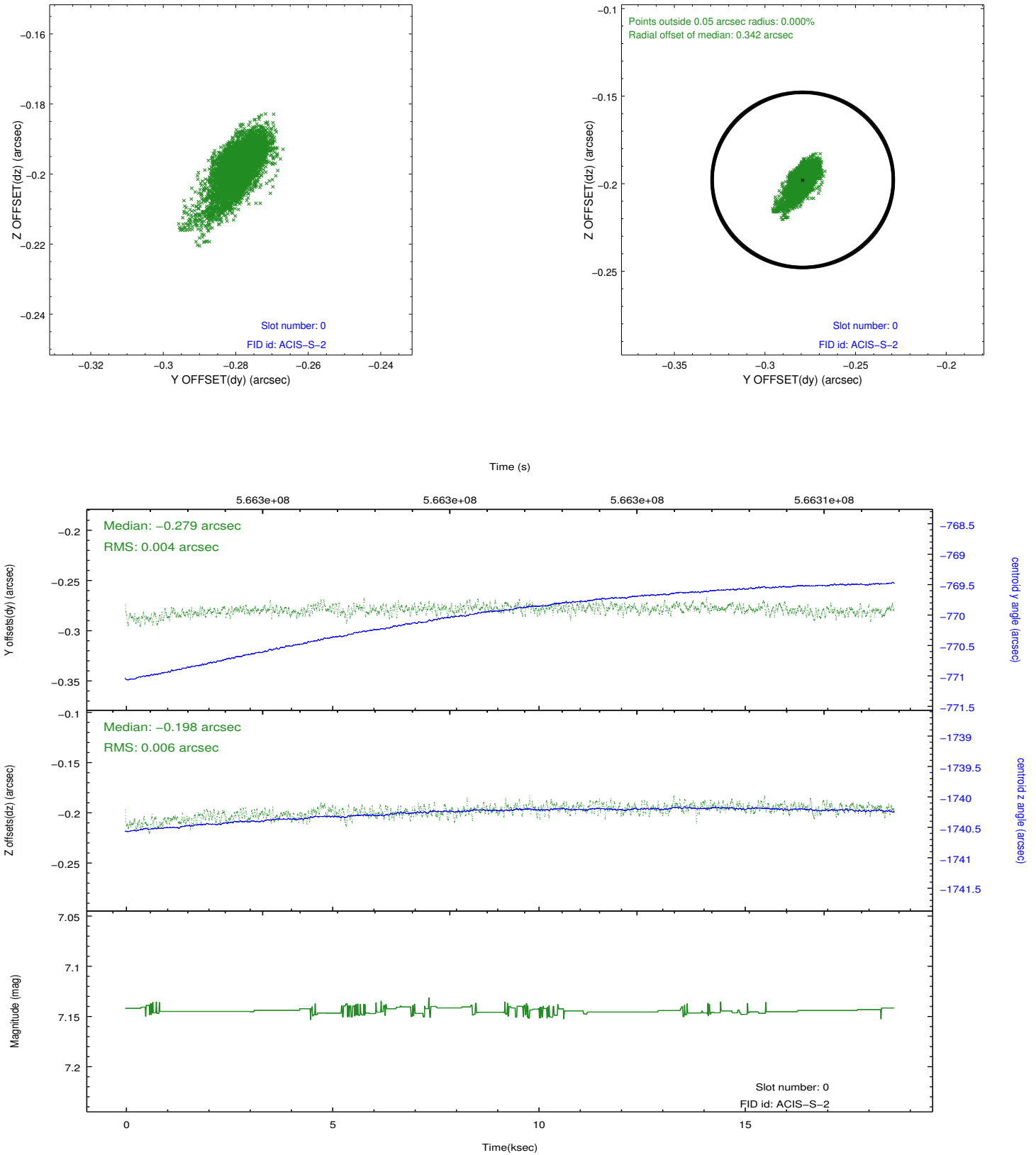


2.4.5 Slot 7

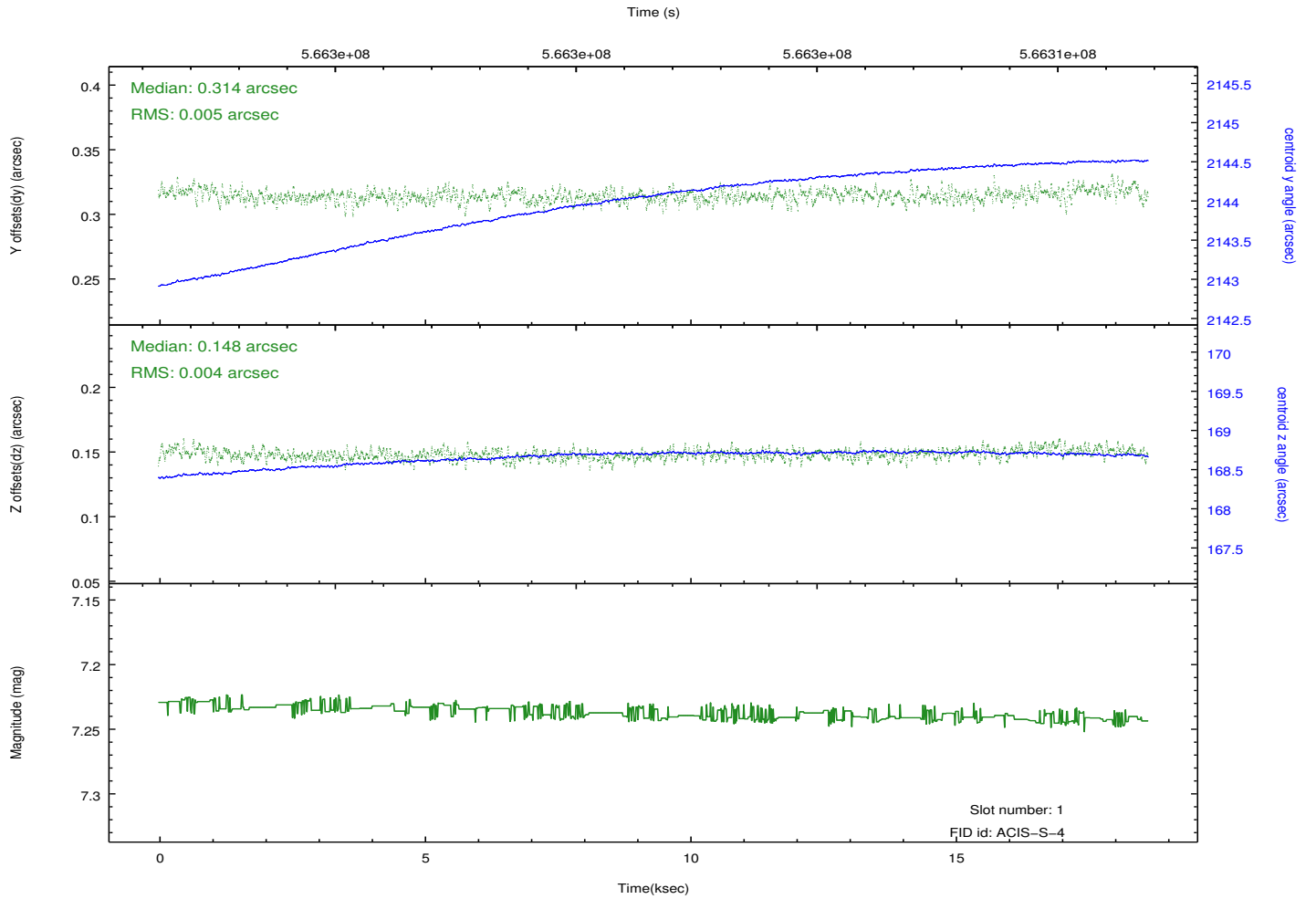
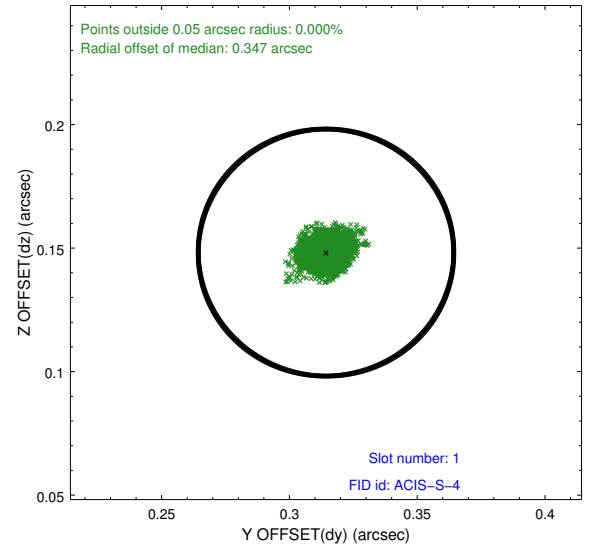
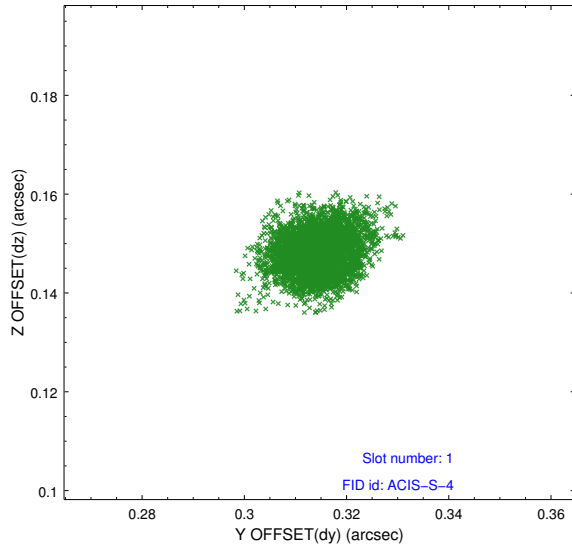


2.5 FID Slots

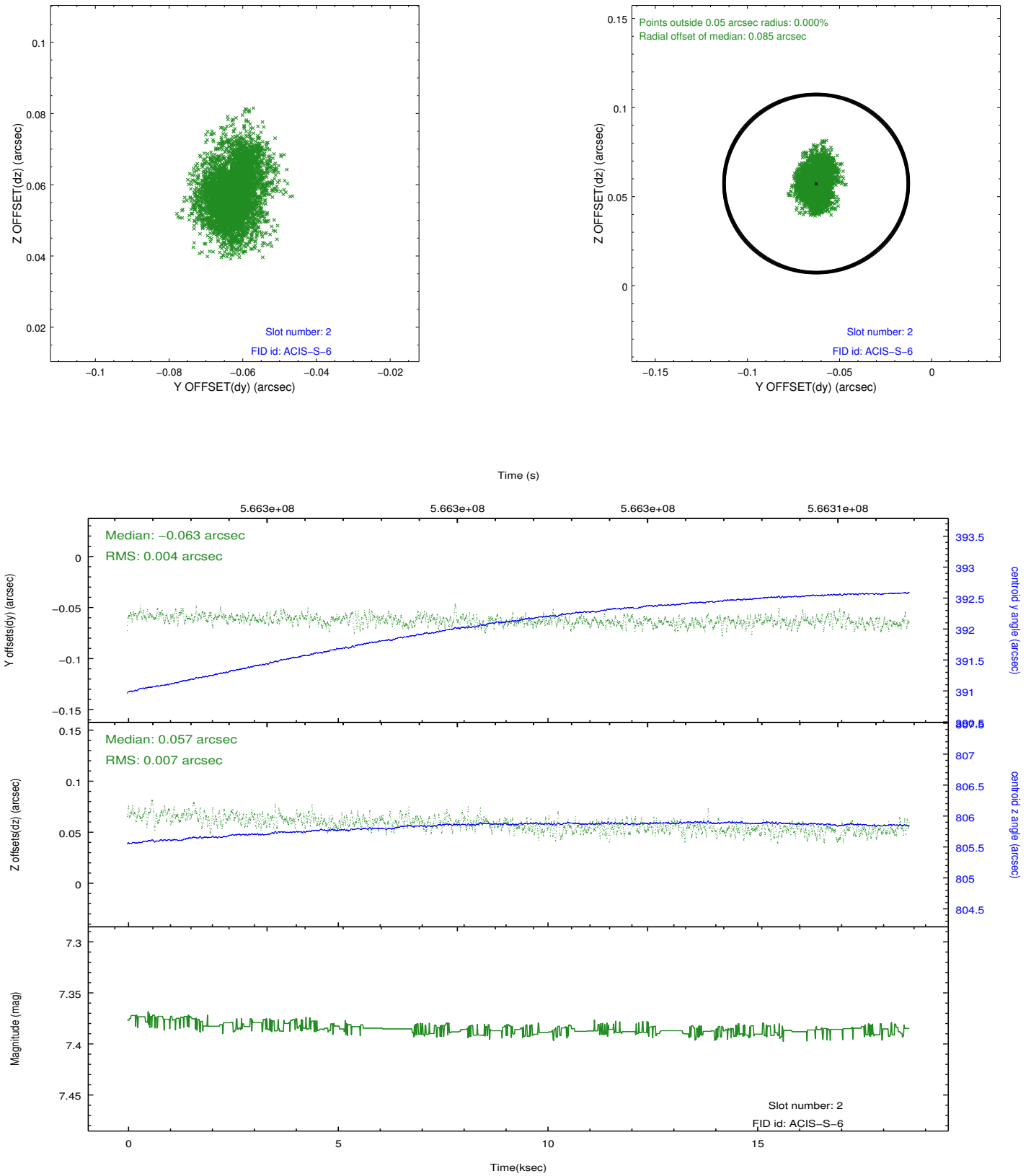
2.5.1 Slot 0



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)	2015.12.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.56228795135

A.2 Comments