

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9191 - L2 Version 2
Chandra X-Ray Center

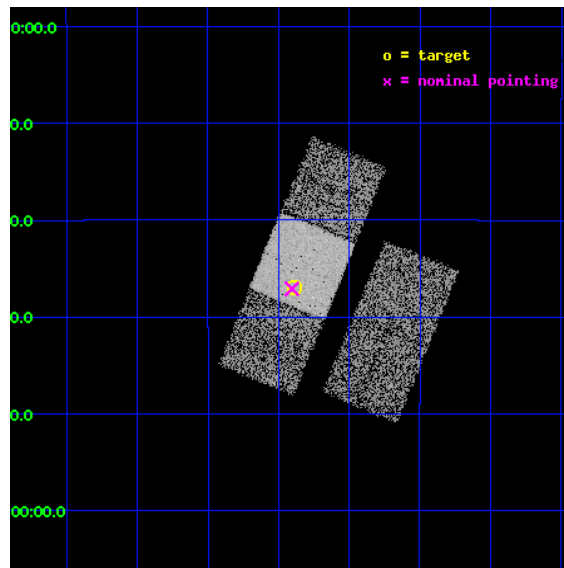
L2 Processing Date : May 6 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

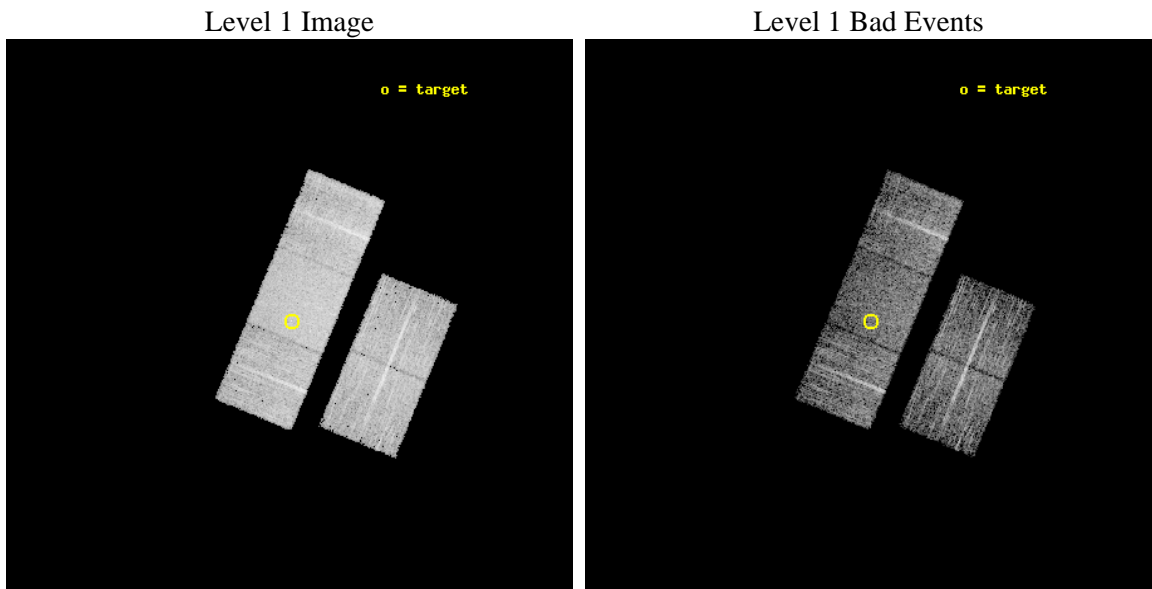
seq_num	701633	Sequence number
obs_id	9191	Observation id
title	Lower Luminosity AGNs at Cosmologically Interesting Redshifts: SEDs and Accretion Rates of $z \sim 0.36$ Seyferts	Proposal title
observer	Dr. Sarah Gallagher	Principal investigator
object	S08	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	359.9725	Observer's specified target RA [deg]
dec_targ	-9.615417	Observer's specified target Dec [deg]
ra_nom	359.97644266669	Nominal RA [deg]
dec_nom	-9.6182953700778	Nominal Dec [deg]
roll_nom	292.53119937729	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3986.6000306606	Sum of GTIs [s]
livetime	3934.5121663678	Livetime [s]
ontime2	3986.6000306606	Sum of GTIs [s]
ontime3	3986.6000306606	Sum of GTIs [s]
ontime6	3986.6000306606	Sum of GTIs [s]
ontime7	3986.6000306606	Sum of GTIs [s]
ontime8	3986.6000306606	Sum of GTIs [s]
l2events	38915	Number of level 2 events



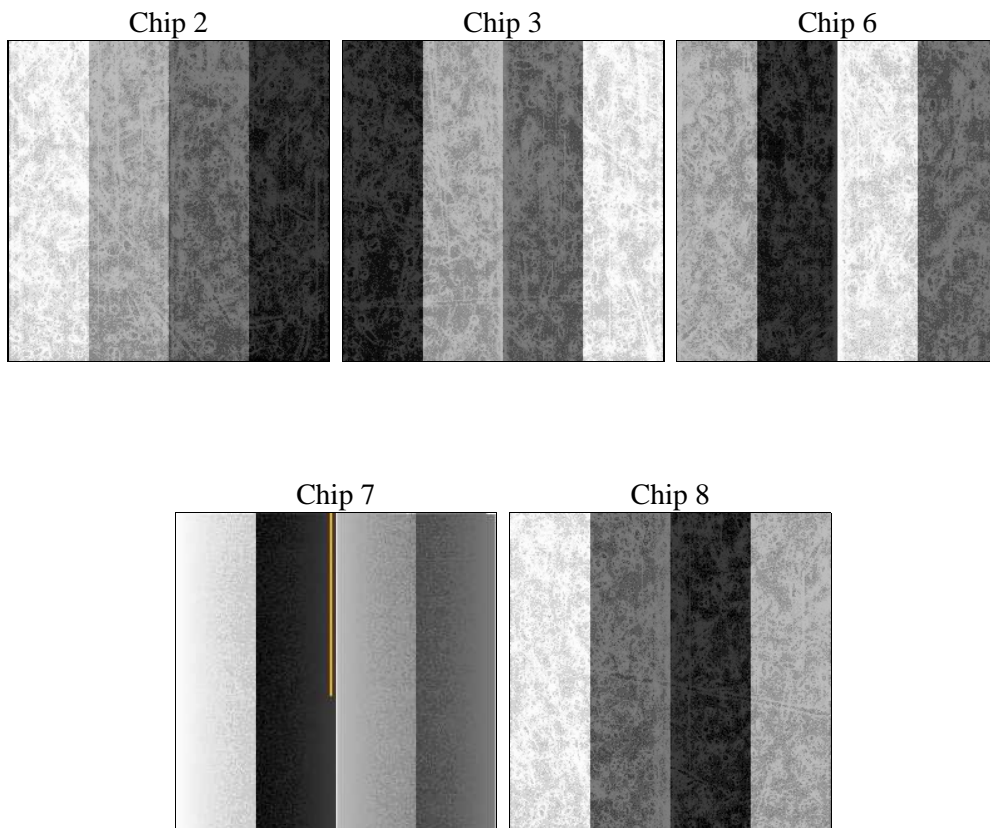
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3800.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	3986.6000306606	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	3986.6000306606	Sum of GTIs [s]
date	2012-05-06T14:32:39	Date and time of file creation	ontime3	3986.6000306606	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3986.6000306606	Sum of GTIs [s]
			ontime7	3986.6000306606	Sum of GTIs [s]
			ontime8	3986.6000306606	Sum of GTIs [s]
			l1events	258029	Number of level 1 events

2.1.4 Events

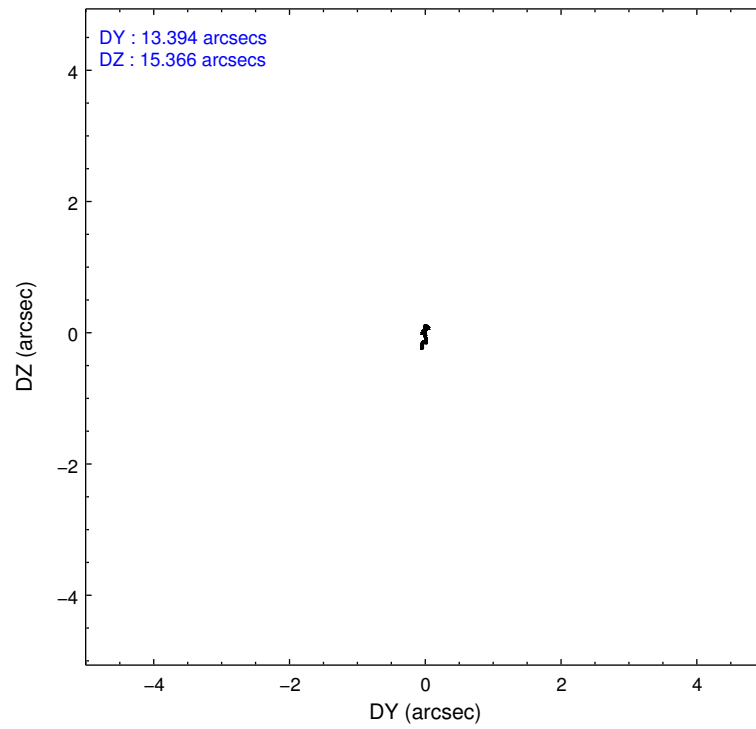
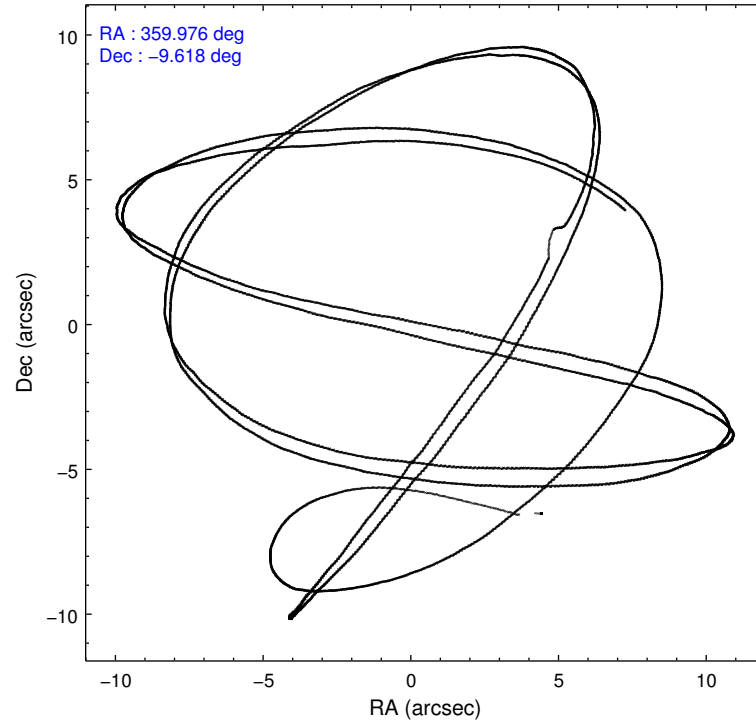
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	45592	44677	47231	62771	57758
rejected events	40924	39913	42441	40267	46556
rejected %	89%	89%	89%	64%	80%

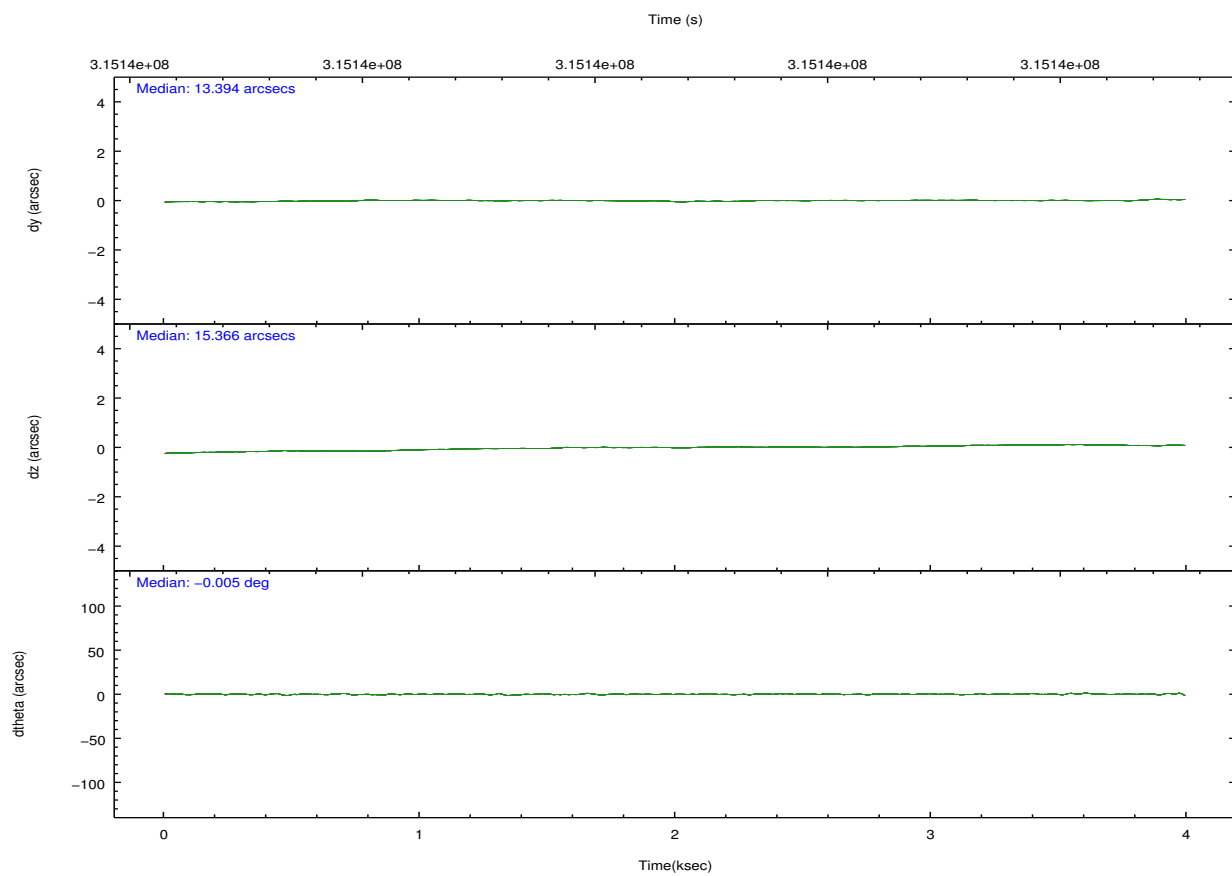
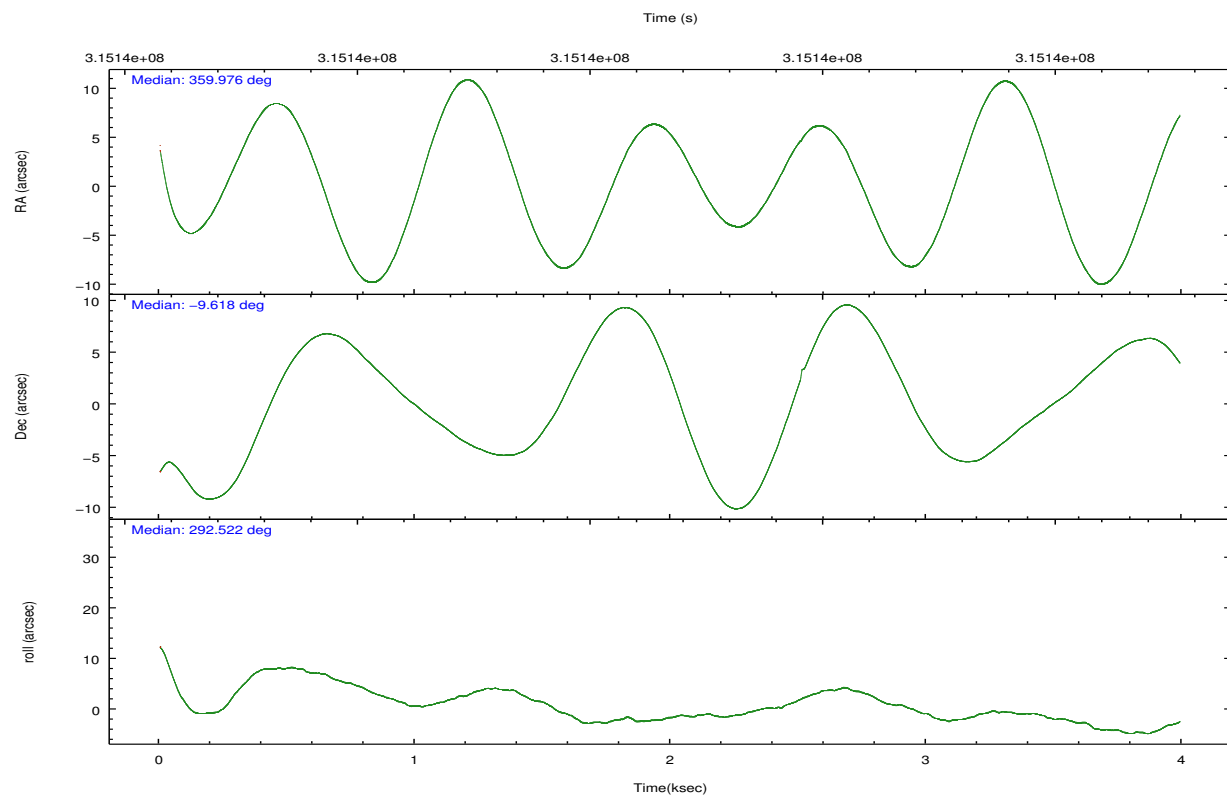
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	2468	2320	2184	2351	4034
	5%	5%	4%	3%	6%
grade 1 events	28	38	26	56	36
	0%	0%	0%	0%	0%
grade 2 events	1161	1022	1265	5325	2941
	2%	2%	2%	8%	5%
grade 3 events	463	610	512	2227	1333
	1%	1%	1%	3%	2%
grade 4 events	444	550	488	2207	1287
	0%	1%	1%	3%	2%
grade 5 events	1798	2139	2198	5925	2737
	3%	4%	4%	9%	4%
grade 6 events	911	992	1163	14074	3393
	1%	2%	2%	22%	5%
grade 7 events	38319	37006	39395	30606	41997
	84%	82%	83%	48%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	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	359.954246	359.9764426666891	CCD I2 on	O1	Y
[deg] Pointing Dec	-9.601916	-9.618295370077846	CCD I3 on	Y	Y
[deg] Pointing Roll	292.370844	292.5311993772935	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	315137541.184000	315136212.22119	CCD S5 on	N	N
Observation start date	2007-12-27T10:11:16	2007-12-27T09:50:12	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	315141341.184000	315142270.48398	On-chip summing requested	N	N
Observation end date	2007-12-27T11:14:36	2007-12-27T11:31:10	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



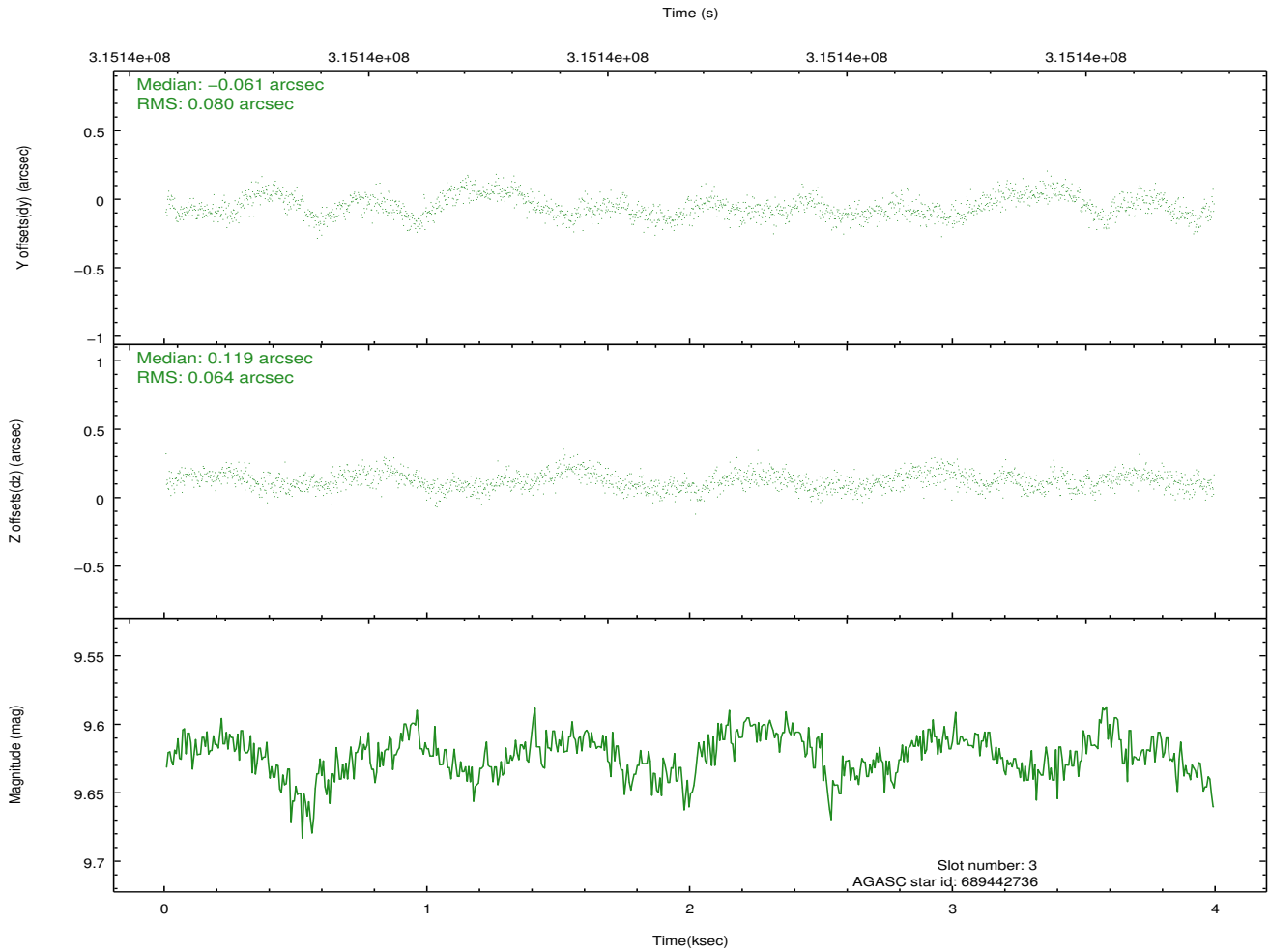
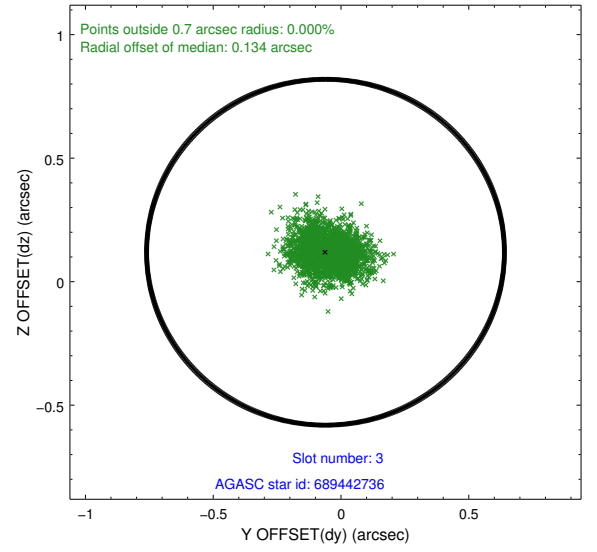
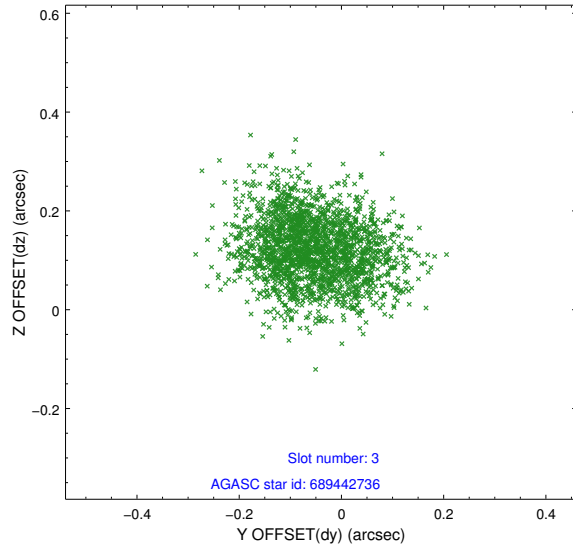


Slot Statistics

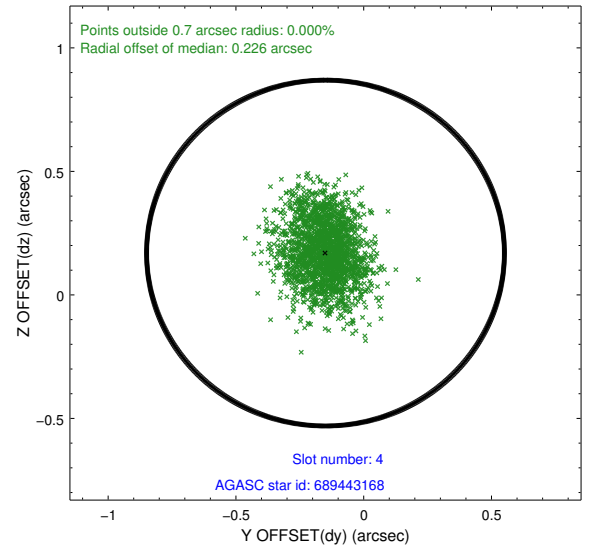
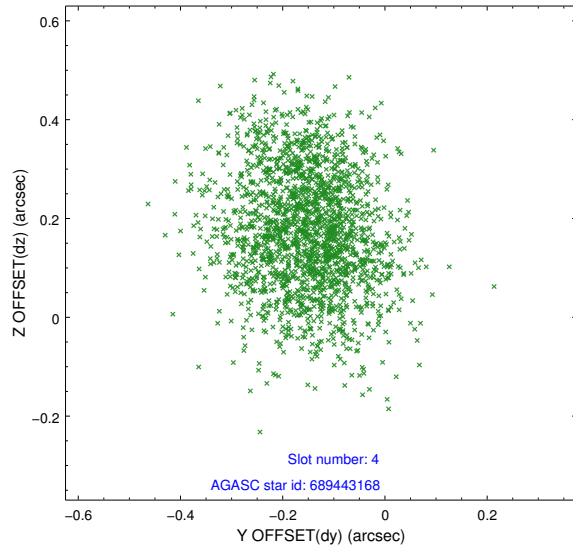
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	974	-0.055	-0.027	0.007	0.012	0.000000	0.000000	-766.34	-1736.72
1	FID	ACIS-S-4	7.19	972	0.181	0.034	0.006	0.010	0.000000	0.000000	2146.43	170.25
2	FID	ACIS-S-5	7.22	974	-0.157	0.002	0.006	0.012	0.000000	0.000000	-1817.31	165.60
3	GUIDE	689442736	9.62	1945	-0.061	0.119	0.109	0.175	0.102215	-9.093459	-1491.50	1184.47
4	GUIDE	689443168	10.06	1942	-0.150	0.169	0.157	0.251	0.325747	-8.926285	-1746.94	2148.36
5	GUIDE	764286824	9.84	1878	-0.061	-0.109	0.181	0.305	359.451985	-9.879010	245.15	-2026.00
6	GUIDE	764289208	10.39	1934	0.012	0.001	0.245	0.395	359.854536	-9.255573	-1287.67	146.51
7	GUIDE	764681888	10.09	1941	0.262	-0.169	0.148	0.239	359.604511	-10.347504	2011.42	-2166.50

2.4 Star Slots

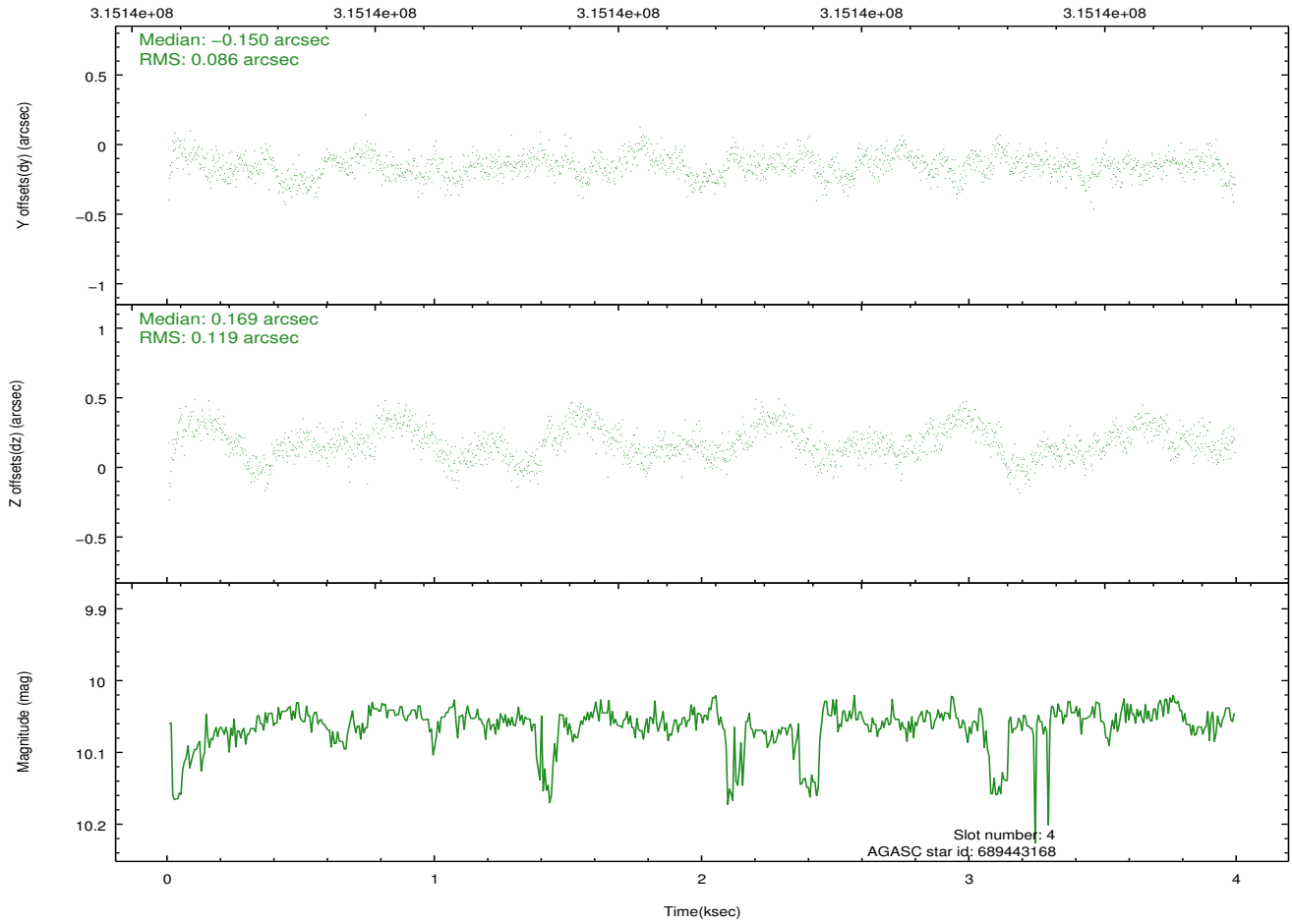
2.4.1 Slot 3



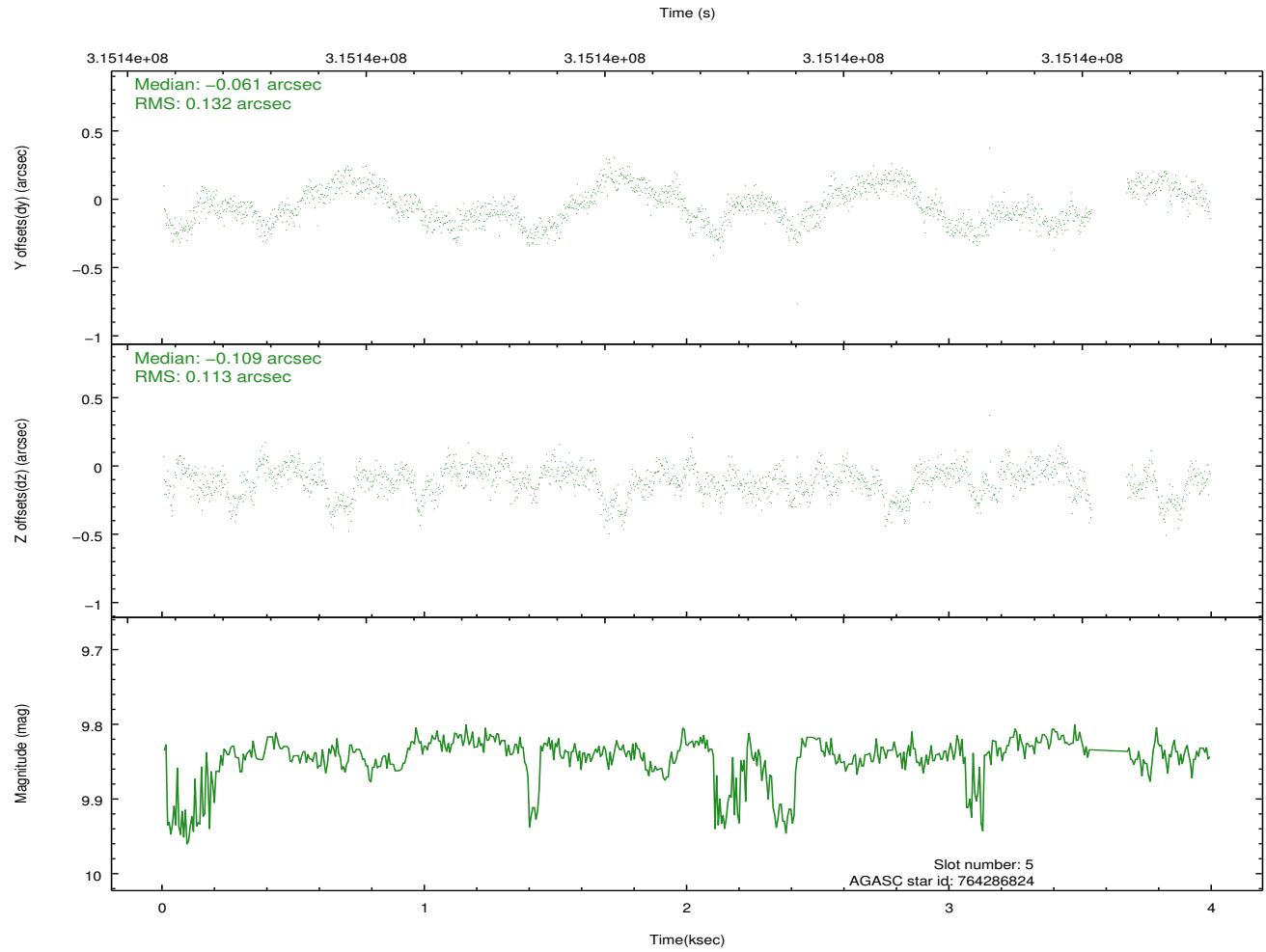
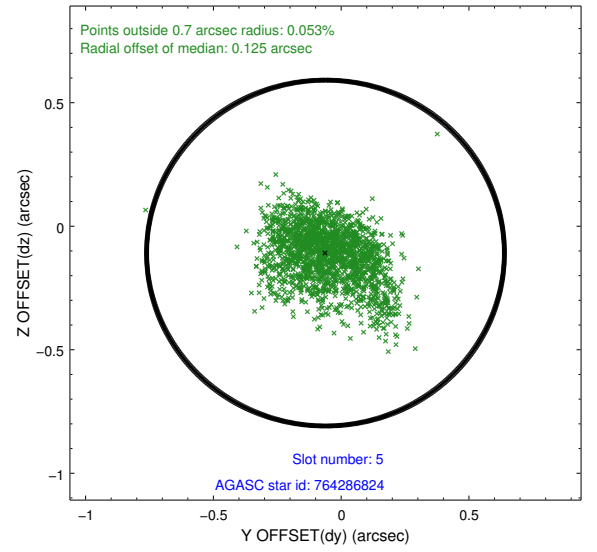
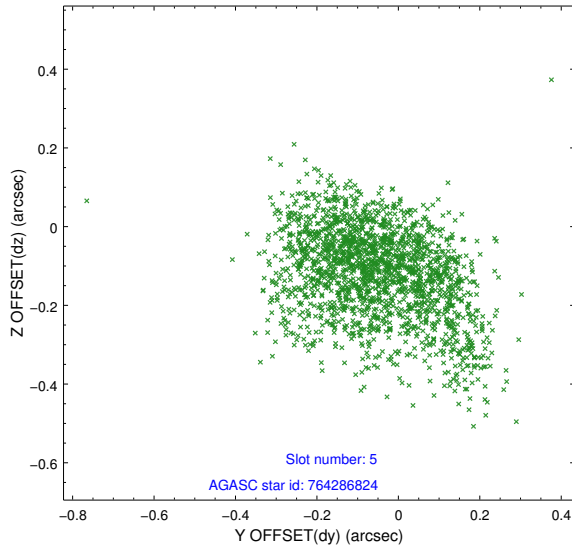
2.4.2 Slot 4



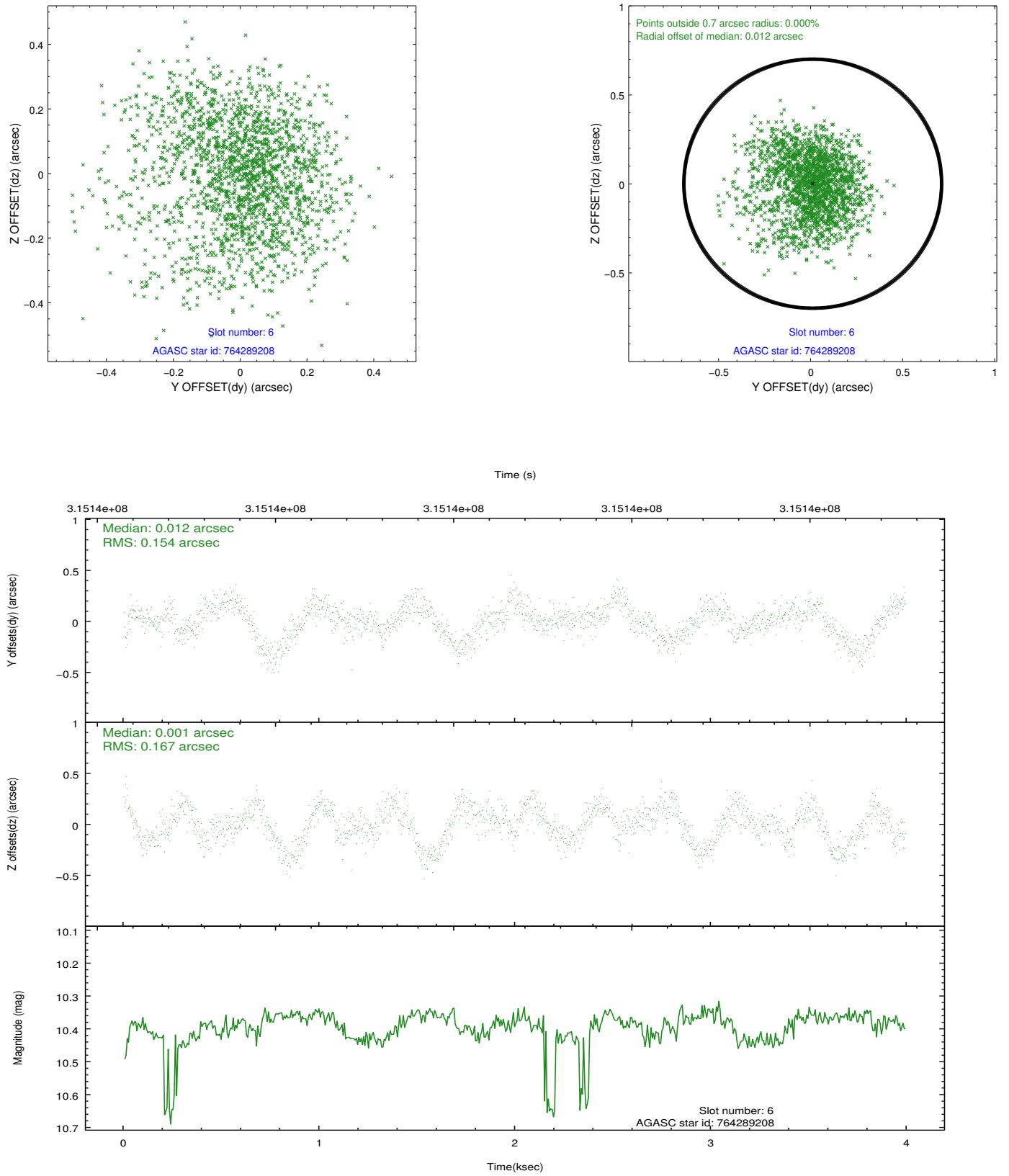
Time (s)



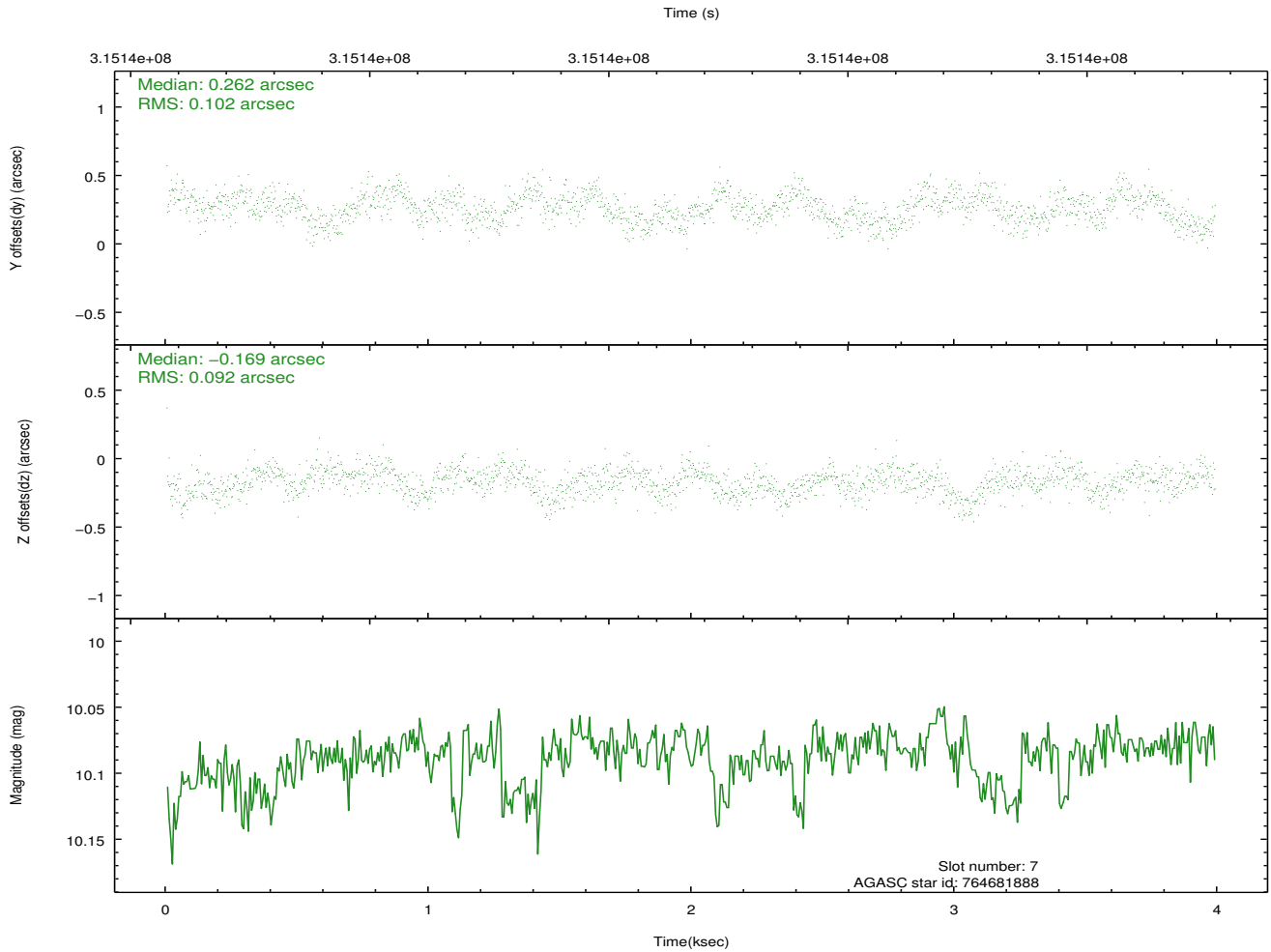
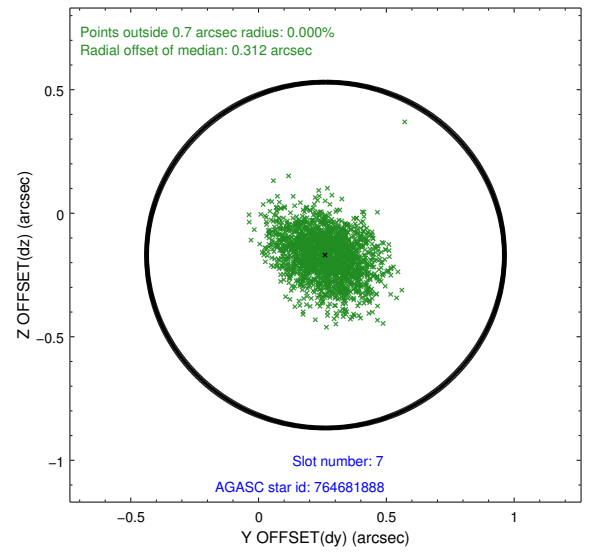
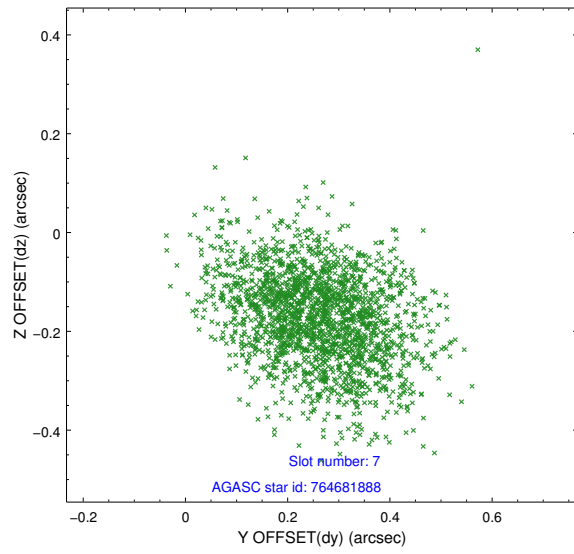
2.4.3 Slot 5



2.4.4 Slot 6

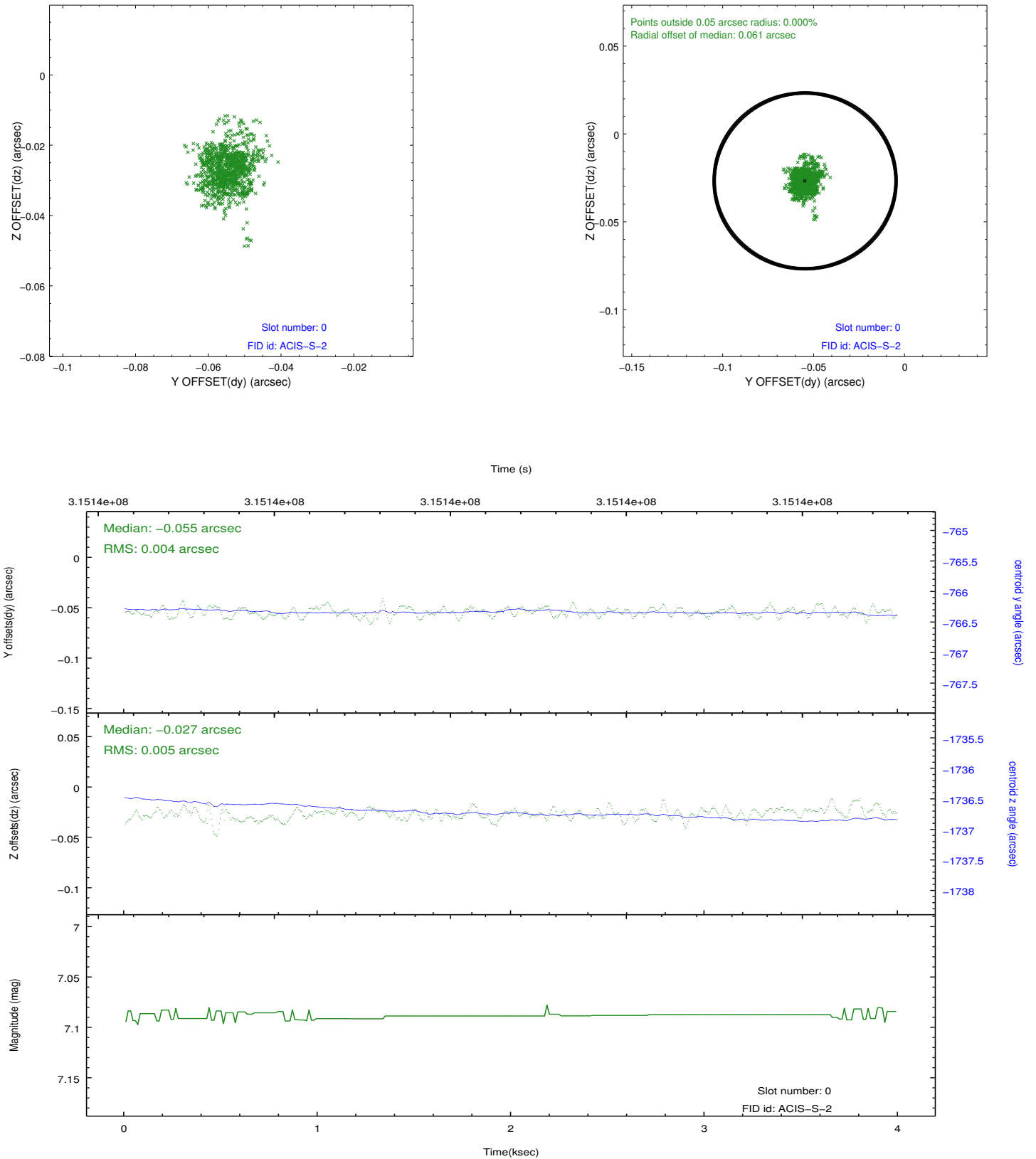


2.4.5 Slot 7

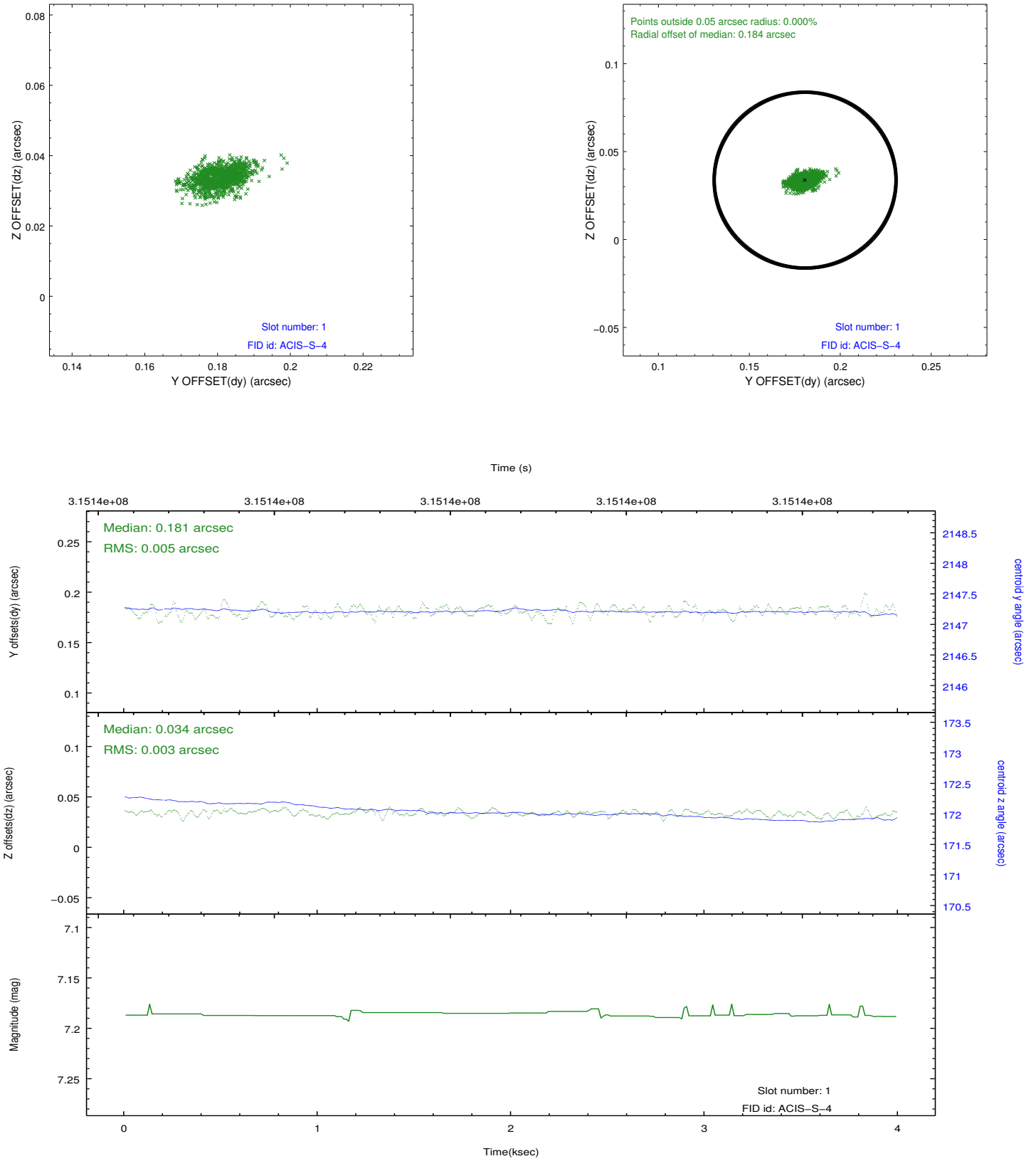


2.5 FID Slots

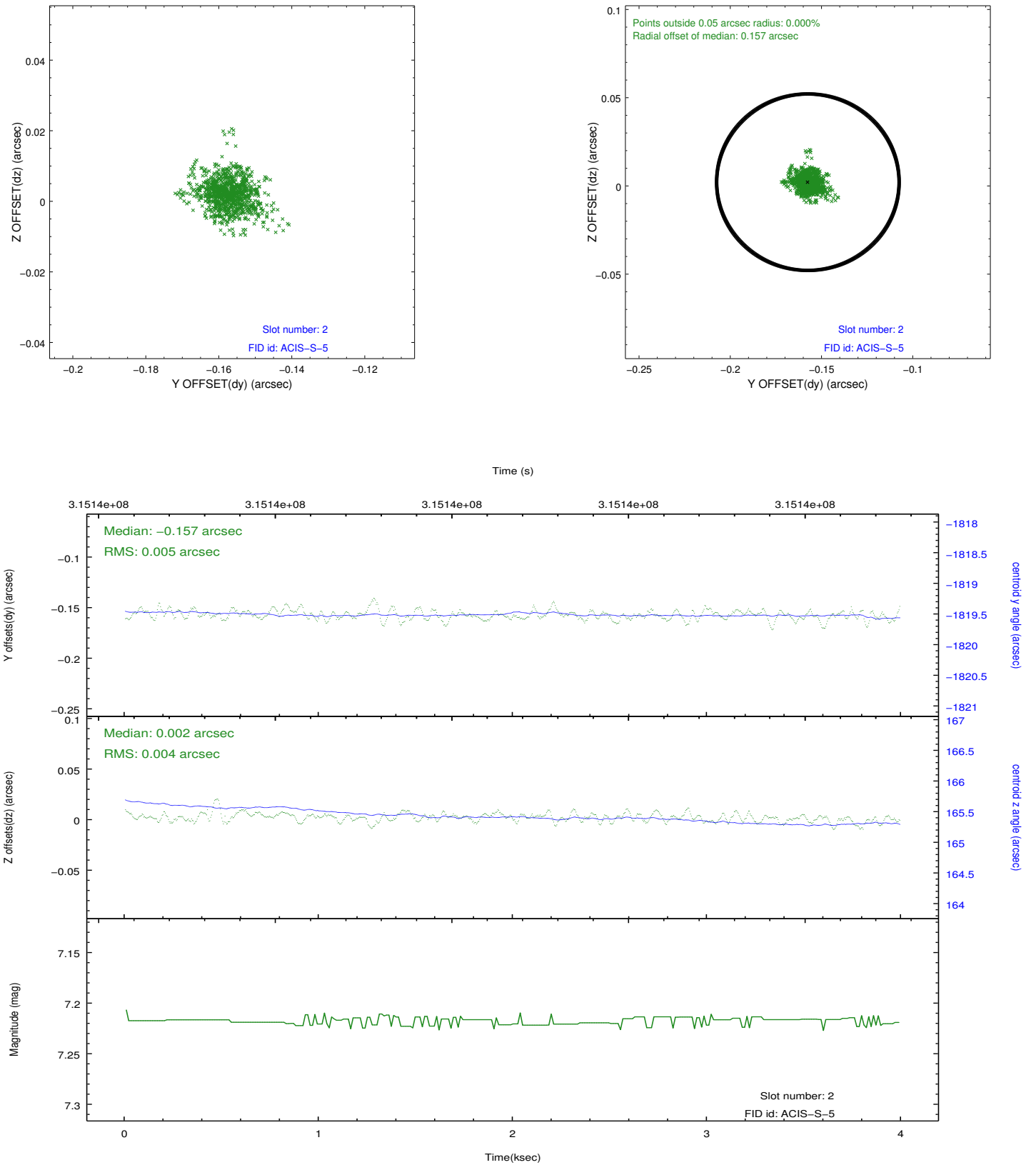
2.5.1 Slot 0



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)	2012.05.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.98660003

A.2 Comments

Joint proposal with HST and Spitzer.