

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9193 - L2 Version 3
Chandra X-Ray Center

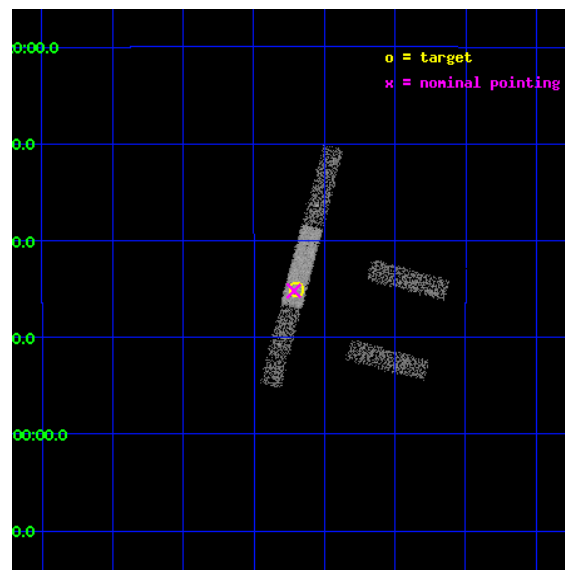
L2 Processing Date : May 10 2012

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1 Front

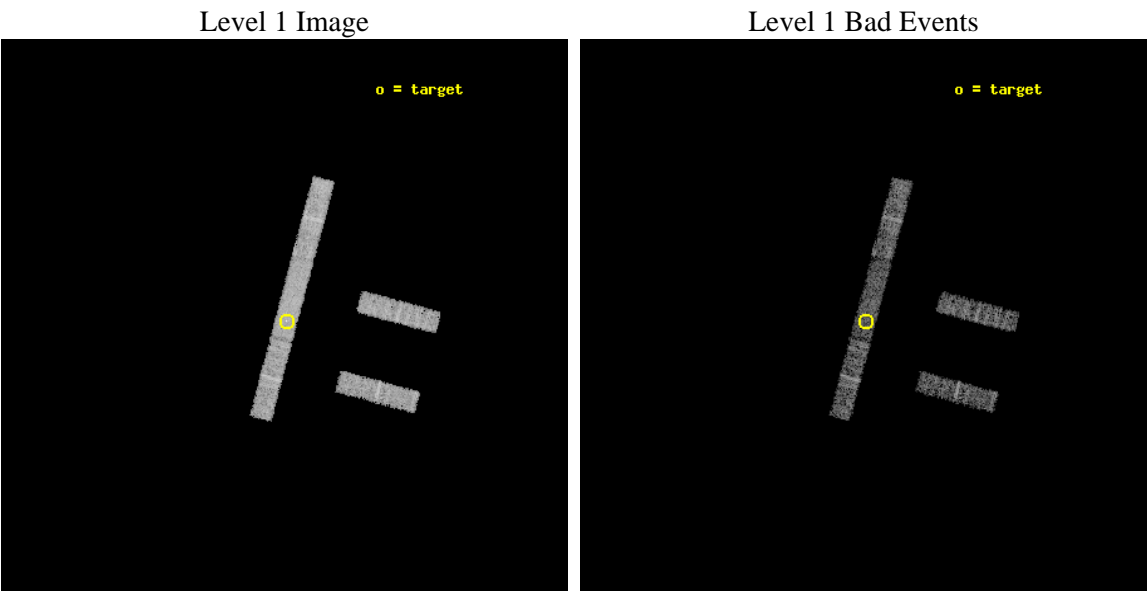
seq_num	701635	Sequence number
obs_id	9193	Observation id
title	Lower Luminosity AGNs at Cosmologically Interesting Redshifts: SEDs and Accretion Rates of $z \sim 0.36$ Seyferts	Proposal title
observer	Dr. Sarah Gallagher	Principal investigator
object	S10	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	15.300417	Observer's specified target RA [deg]
dec_targ	-9.750194	Observer's specified target Dec [deg]
ra_nom	15.304080410636	Nominal RA [deg]
dec_nom	-9.7533915367398	Nominal Dec [deg]
roll_nom	285.03607907454	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3178.0	Sum of GTIs [s]
livetime	3052.716514255	Livetime [s]
ontime2	3178.0	Sum of GTIs [s]
ontime3	3178.0	Sum of GTIs [s]
ontime6	3178.0	Sum of GTIs [s]
ontime7	3178.0	Sum of GTIs [s]
ontime8	3178.0	Sum of GTIs [s]
l2events	8916	Number of level 2 events



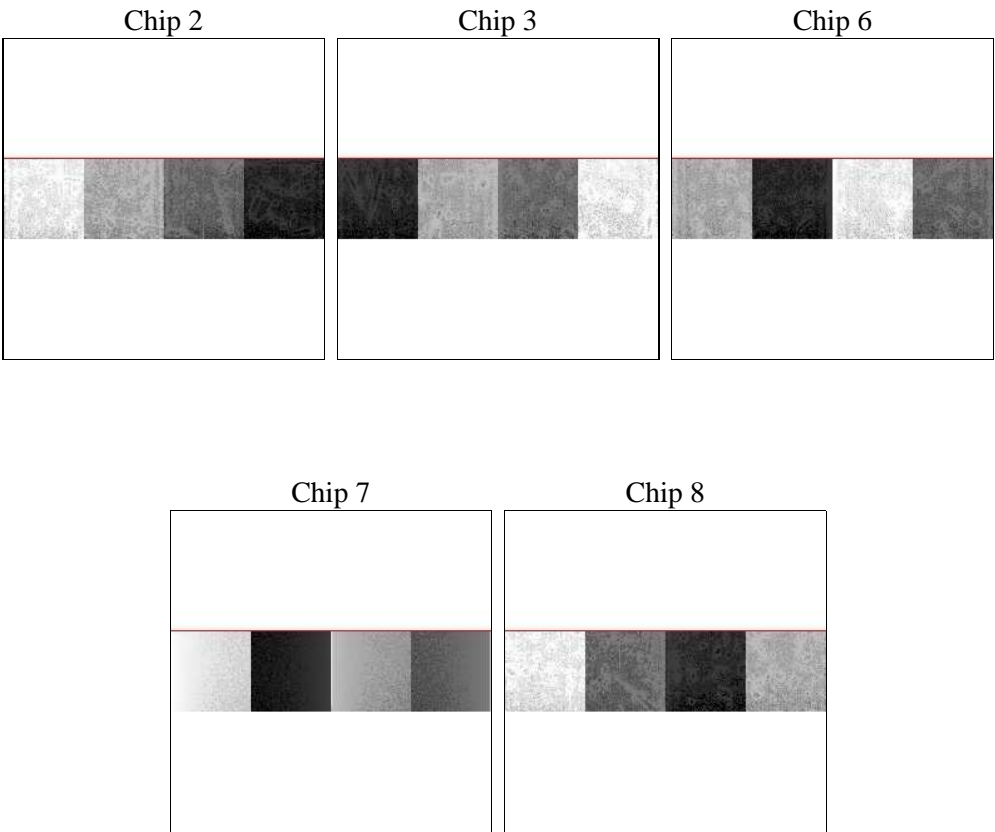
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



Chip 7



Chip 8



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	3178.0	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	3178.0	Sum of GTIs [s]
date	2012-05-10T23:19:12	Date and time of file creation	ontime3	3178.0	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	3178.0	Sum of GTIs [s]
			ontime7	3178.0	Sum of GTIs [s]
			ontime8	3178.0	Sum of GTIs [s]
			l1events	62817	Number of level 1 events

2.1.4 Events

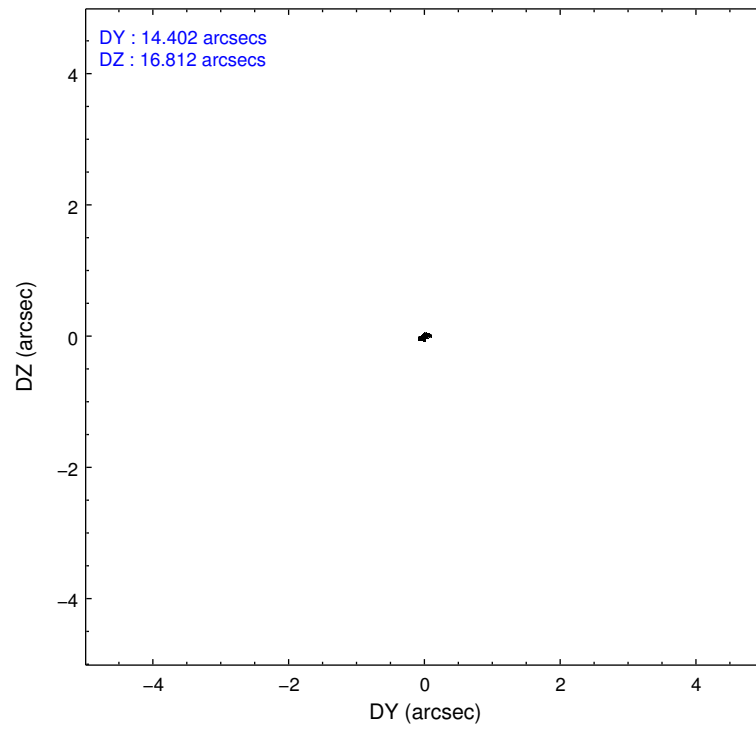
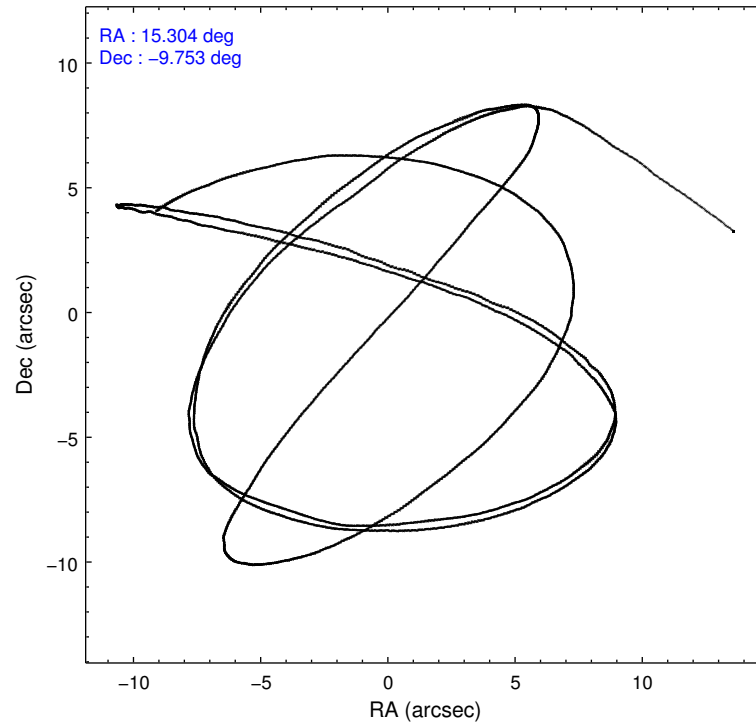
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	10344	11530	11824	14371	14748
rejected events	9240	10424	10707	9071	12307
rejected %	89%	90%	90%	63%	83%

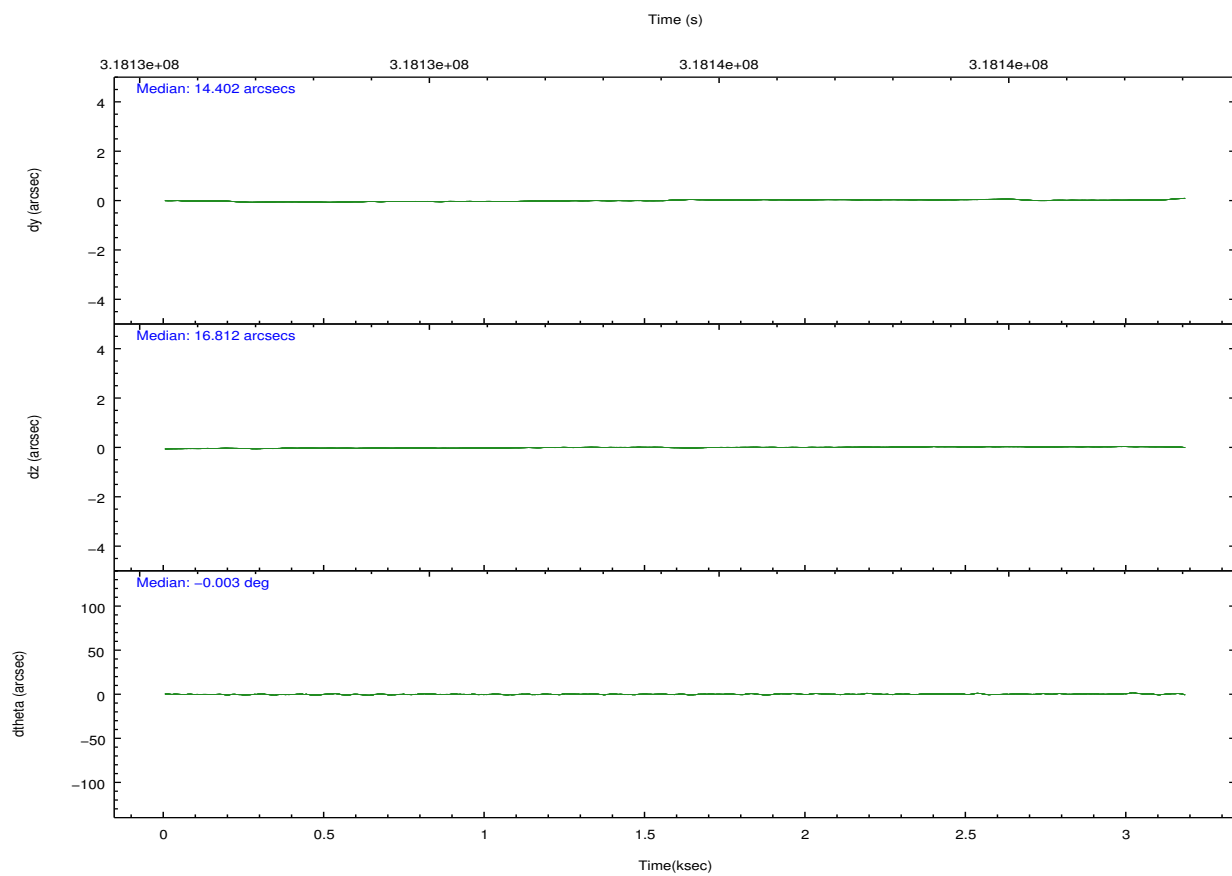
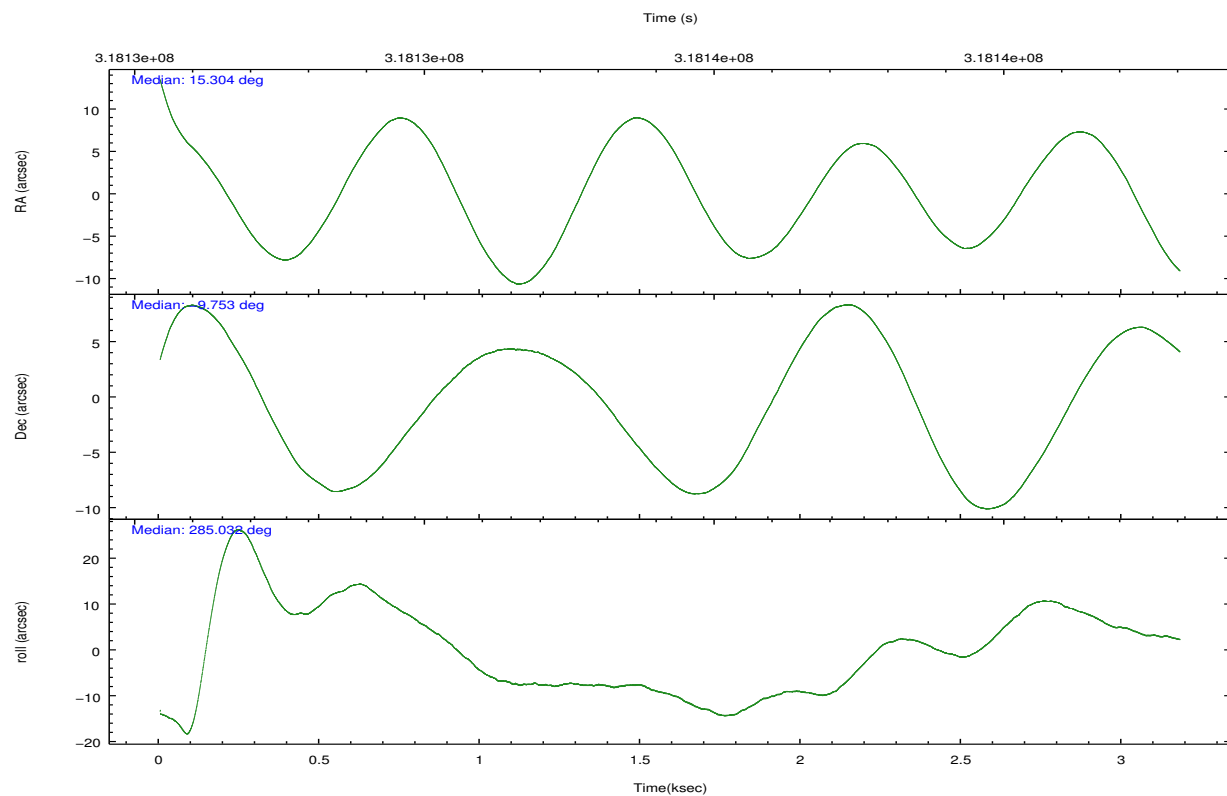
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	513	504	496	622	903
	4%	4%	4%	4%	6%
grade 1 events	0	3	6	15	7
	0%	0%	0%	0%	0%
grade 2 events	245	269	268	1306	603
	2%	2%	2%	9%	4%
grade 3 events	204	171	162	662	289
	1%	1%	1%	4%	1%
grade 4 events	171	160	179	646	336
	1%	1%	1%	4%	2%
grade 5 events	392	447	476	1318	577
	3%	3%	4%	9%	3%
grade 6 events	177	197	239	3033	777
	1%	1%	2%	21%	5%
grade 7 events	8642	9779	9998	6769	11256
	83%	84%	84%	47%	76%

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	15.284101	15.30408041063634	CCD I2 on	O1	Y
[deg] Pointing Dec	-9.734460	-9.753391536739787	CCD I3 on	Y	Y
[deg] Pointing Roll	284.876088	285.0360790745406	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	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	318133432.184000	318132379.10385	CCD S5 on	N	N
Observation start date	2008-01-31T02:22:47	2008-01-31T02:06:19	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	318136432.184000	318137670.15411	On-chip summing requested	N	N
Observation end date	2008-01-31T03:12:47	2008-01-31T03:34:30	Subarray requested	CUSTOM	1/4
Read mode	TIMED	TIMED	Subarray start row	385	385
			Subarray row count	256	256
			Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	1

2.3 Aspect



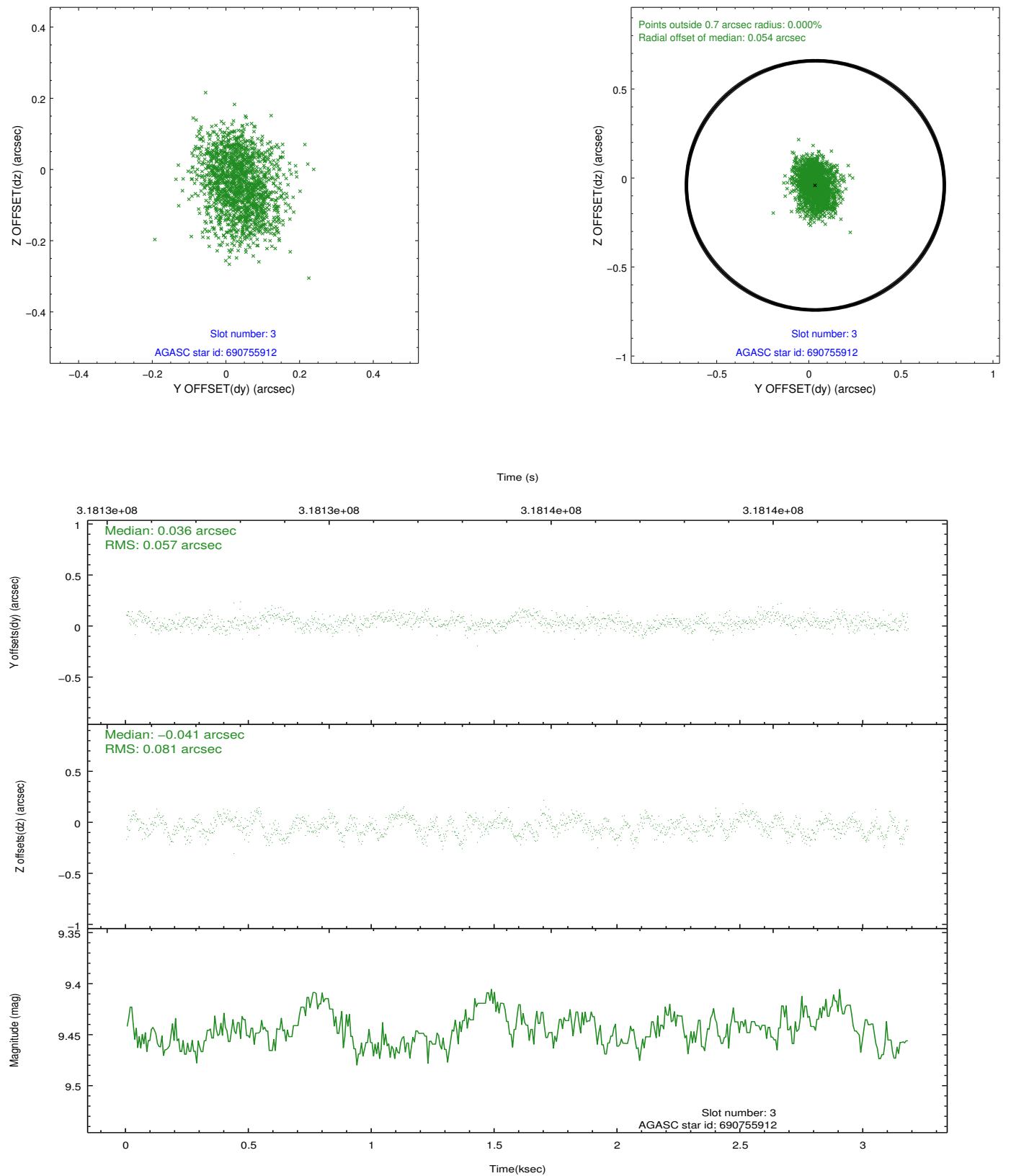


Slot Statistics

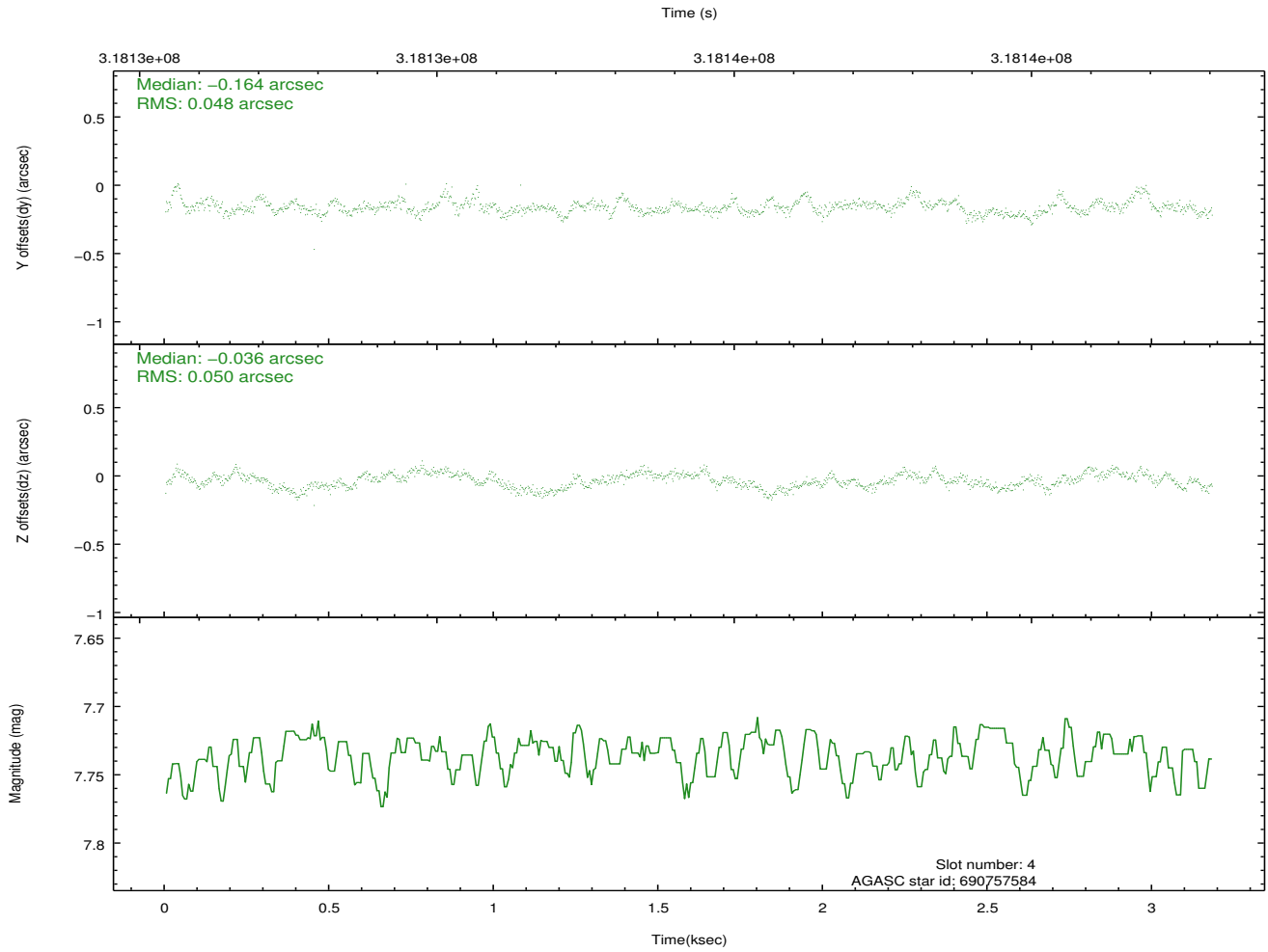
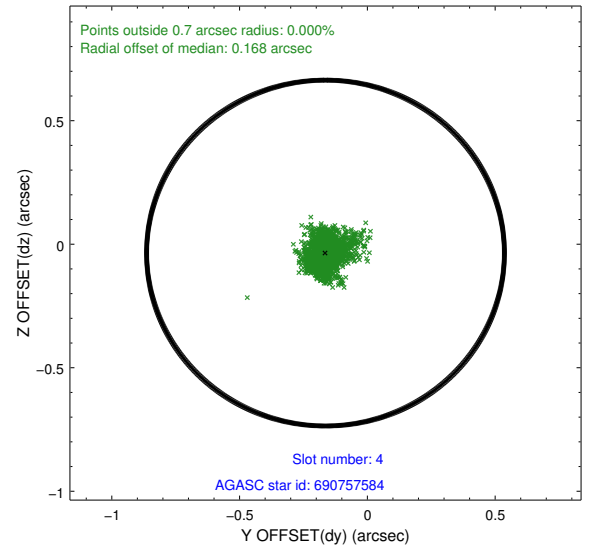
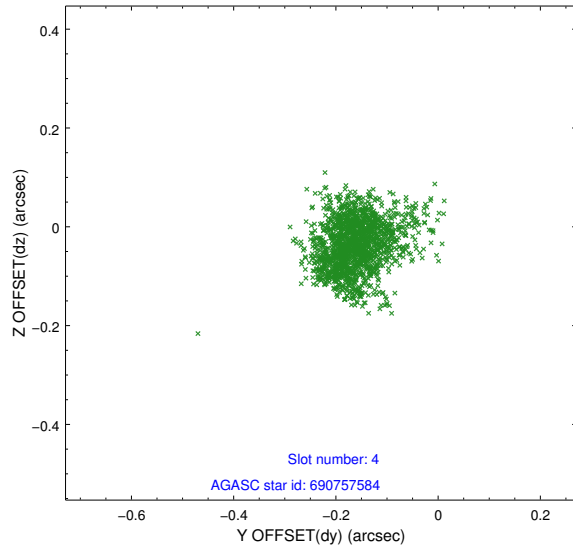
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	776	-0.055	-0.041	0.007	0.012	0.000000	0.000000	-767.44	-1738.26
1	FID	ACIS-S-4	7.18	776	0.174	0.037	0.005	0.009	0.000000	0.000000	2145.18	168.17
2	FID	ACIS-S-5	7.22	776	-0.151	0.012	0.007	0.011	0.000000	0.000000	-1817.78	164.16
3	GUIDE	690755912	9.45	1551	0.036	-0.041	0.106	0.166	14.739482	-9.873391	-10.16	-1995.91
4	GUIDE	690757584	7.73	1552	-0.164	-0.036	0.072	0.120	15.208728	-9.373544	-1324.09	73.16
5	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
6	GUIDE	691143440	10.25	1552	0.192	-0.004	0.189	0.312	15.425923	-9.929184	806.96	305.71
7	GUIDE	691151640	9.04	1547	-0.064	0.107	0.136	0.215	15.368538	-9.430104	-980.69	570.83

2.4 Star Slots

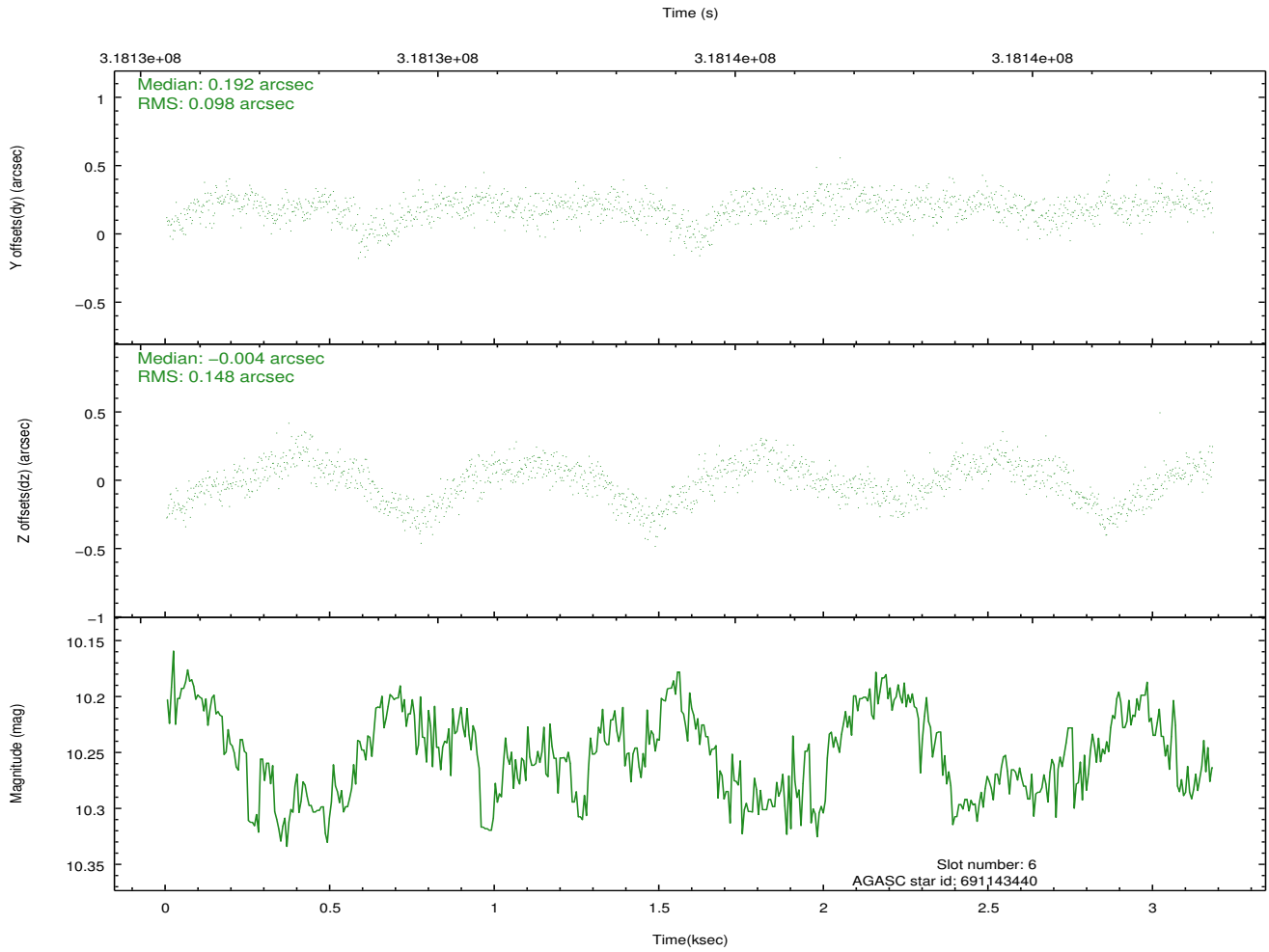
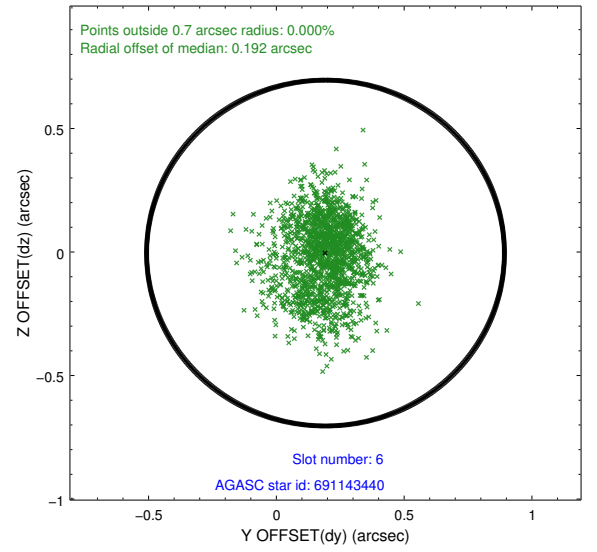
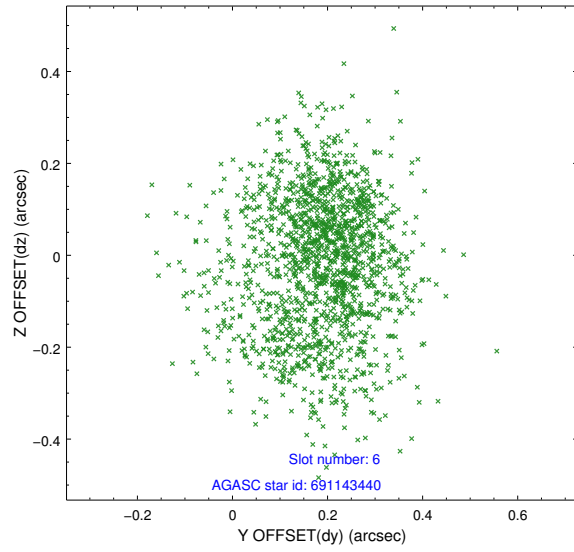
2.4.1 Slot 3



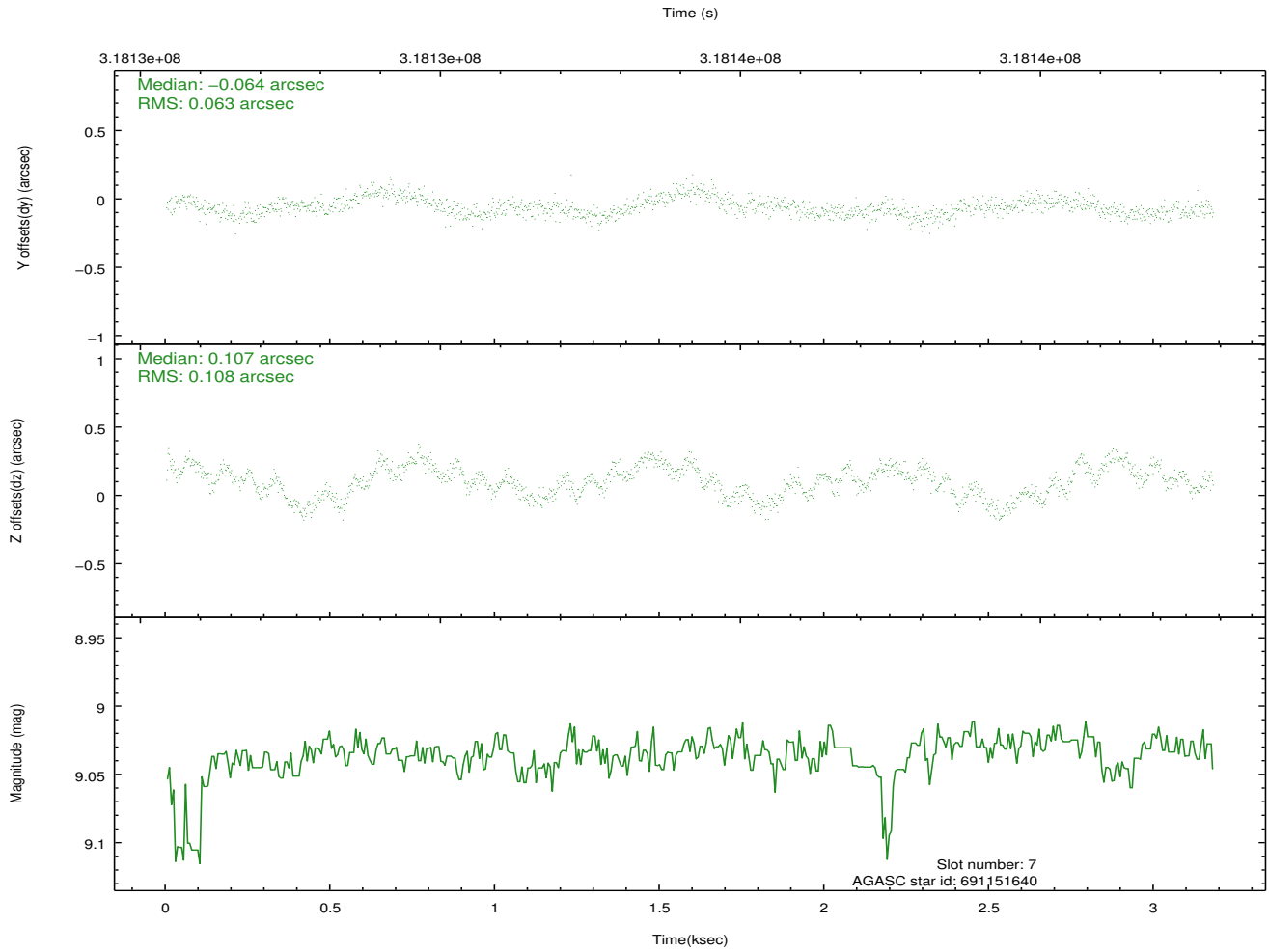
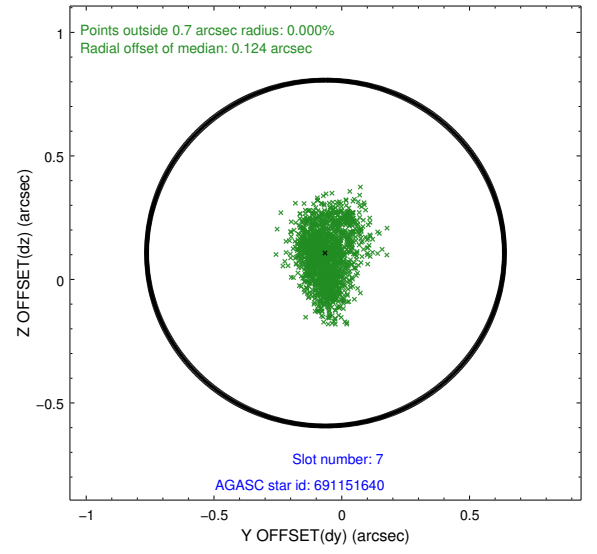
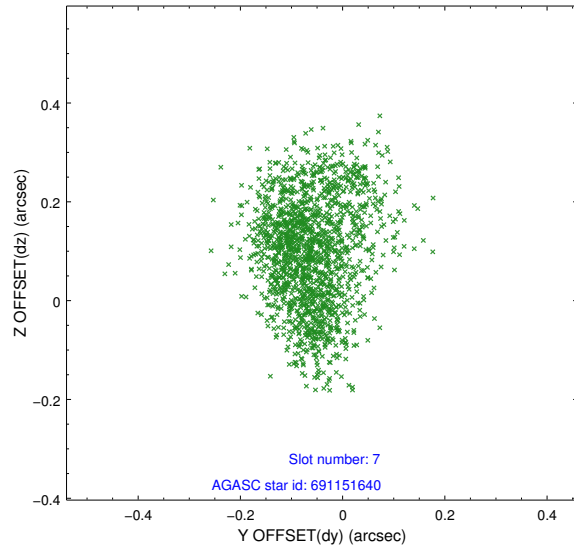
2.4.2 Slot 4



2.4.3 Slot 6

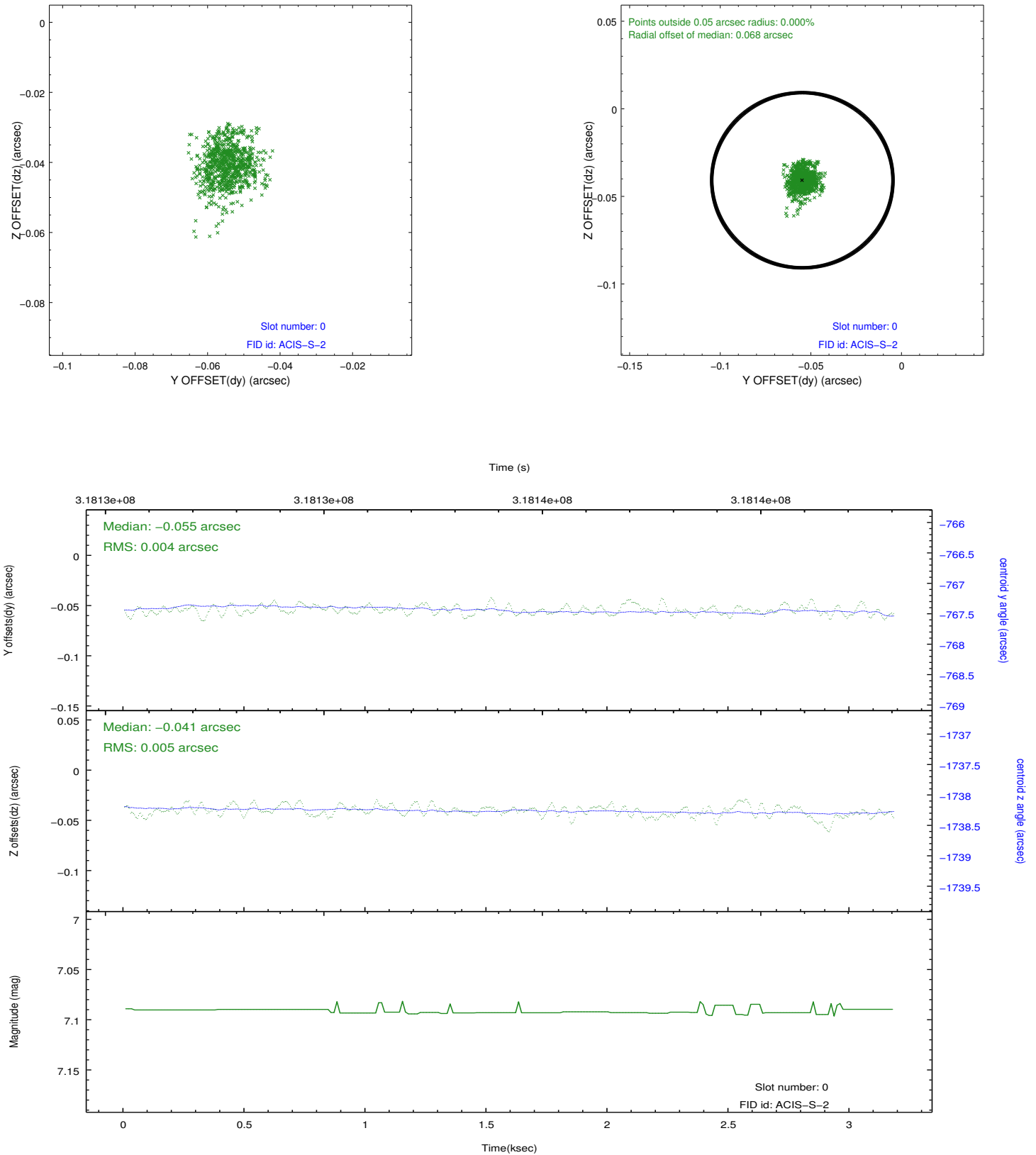


2.4.4 Slot 7

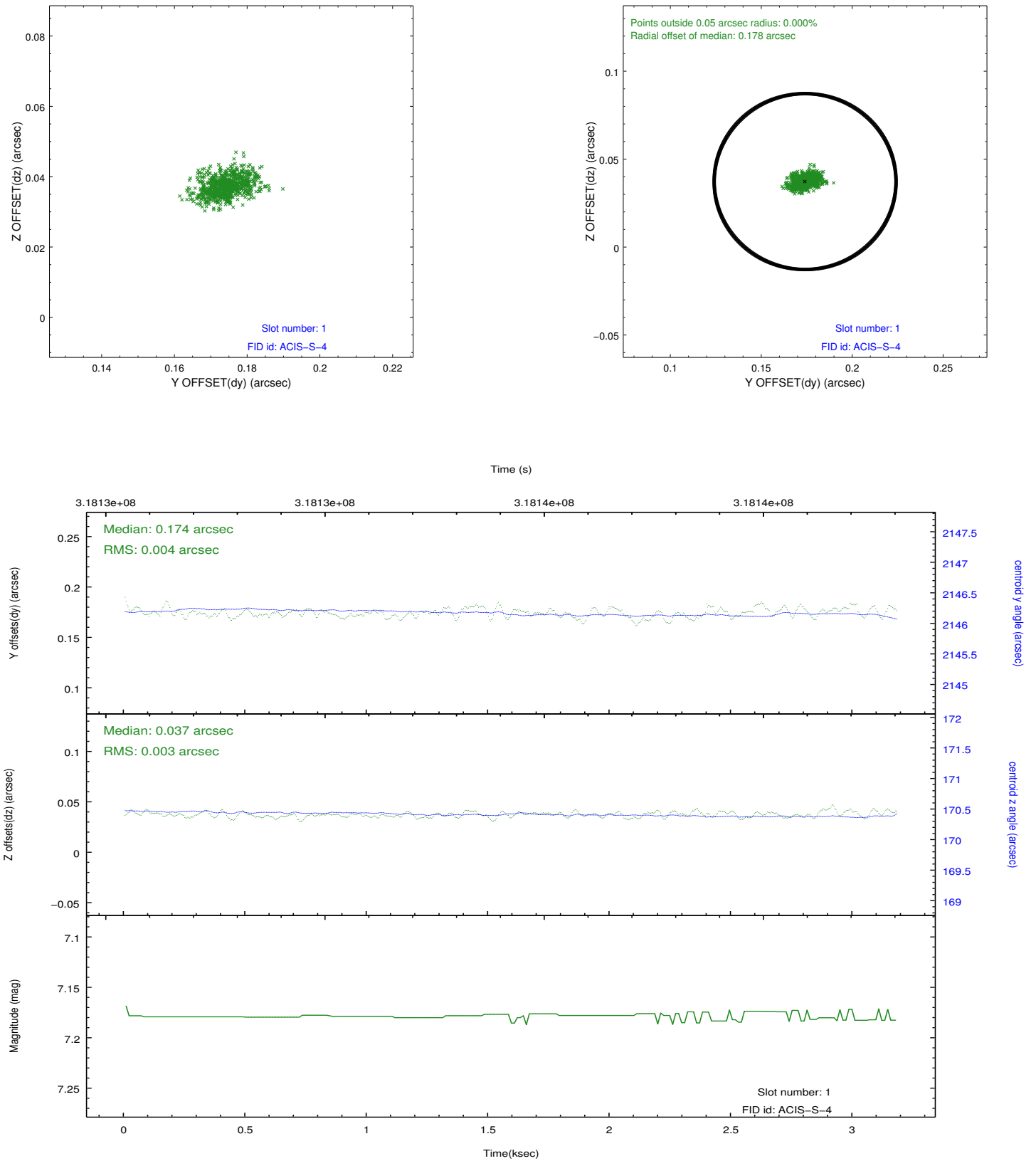


2.5 FID Slots

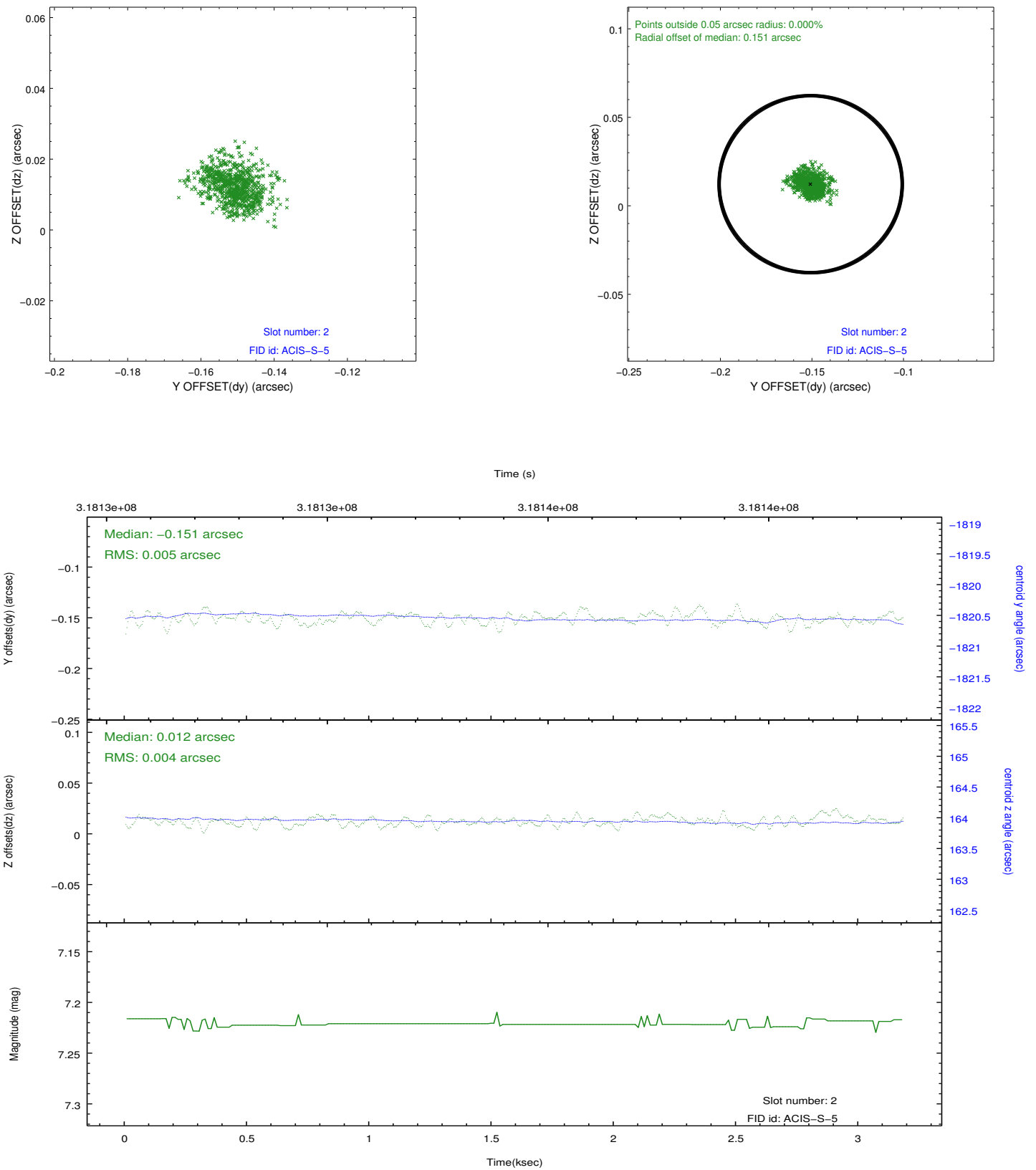
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.178

A.2 Comments

Joint proposal: HST+Spitzer

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The guide star in slot 5 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this guide star from the solution.