

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9192 - L2 Version 2
Chandra X-Ray Center

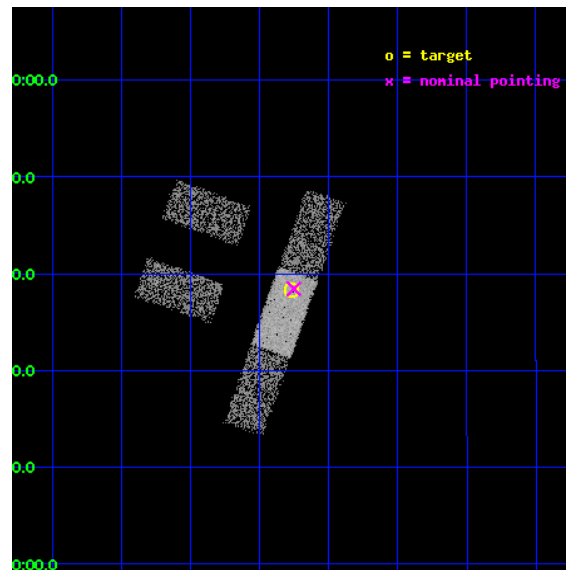
L2 Processing Date : May 16 2012

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

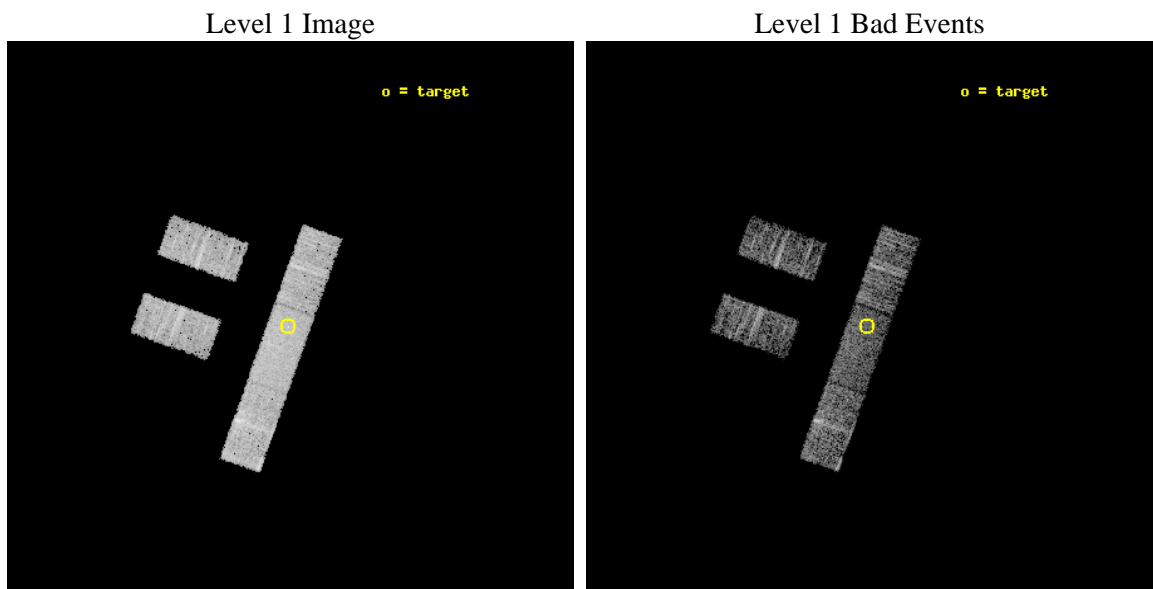
seq_num	701634	Sequence number
obs_id	9192	Observation id
title	Lower Luminosity AGNs at Cosmologically Interesting Redshifts: SEDs and Accretion Rates of $z \sim 0.36$ Seyferts	Proposal title
observer	Dr. Sarah Gallagher	Principal investigator
object	S09	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	14.817083	Observer's specified target RA [deg]
dec_targ	15.637778	Observer's specified target Dec [deg]
ra_nom	14.813054101558	Nominal RA [deg]
dec_nom	15.640818435198	Nominal Dec [deg]
roll_nom	109.69641105512	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3144.9999780059	Sum of GTIs [s]
livetime	3070.8656679973	Livetime [s]
ontime2	3144.9999780059	Sum of GTIs [s]
ontime3	3144.9999780059	Sum of GTIs [s]
ontime6	3144.9999780059	Sum of GTIs [s]
ontime7	3144.9999780059	Sum of GTIs [s]
ontime8	3144.9999780059	Sum of GTIs [s]
l2events	15738	Number of level 2 events



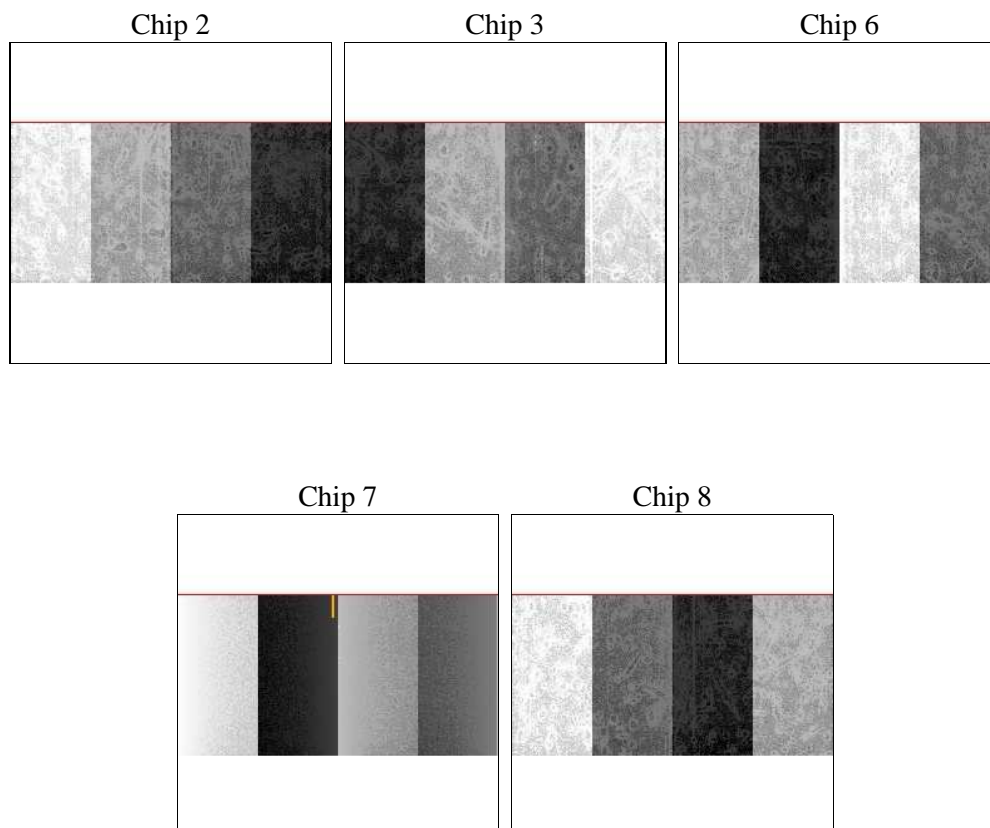
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	3144.9999780059	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	3144.9999780059	Sum of GTIs [s]
date	2012-05-16T14:49:17	Date and time of file creation	ontime3	3144.9999780059	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3144.9999780059	Sum of GTIs [s]
			ontime7	3144.9999780059	Sum of GTIs [s]
			ontime8	3144.9999780059	Sum of GTIs [s]
			l1events	109766	Number of level 1 events

2.1.4 Events

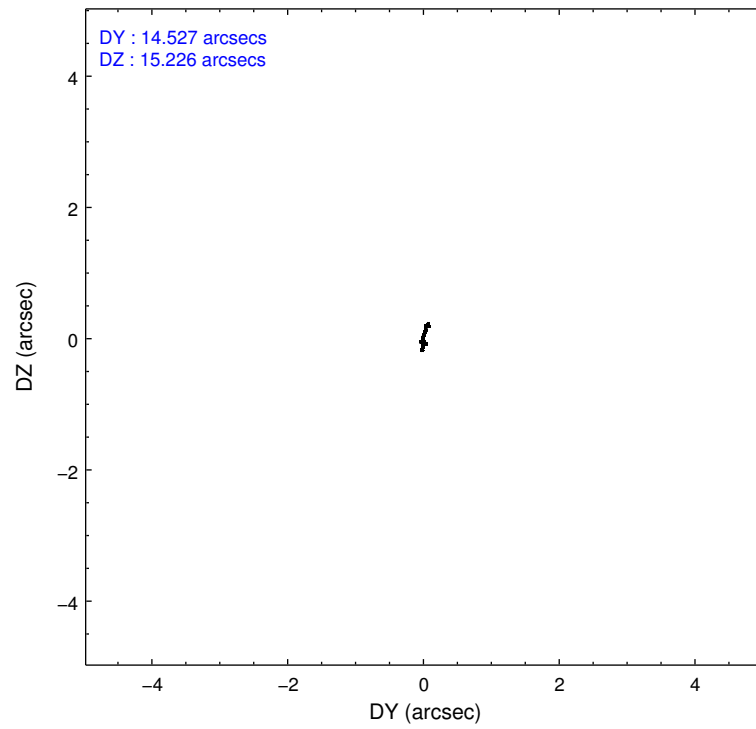
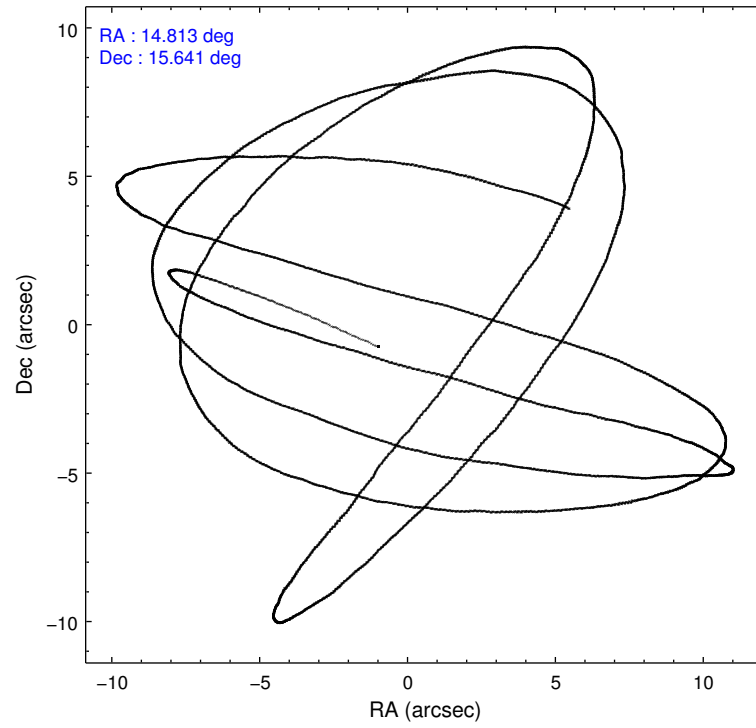
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	18927	19142	19966	26069	25662
rejected events	16987	17198	18024	16900	20958
rejected %	89%	89%	90%	64%	81%

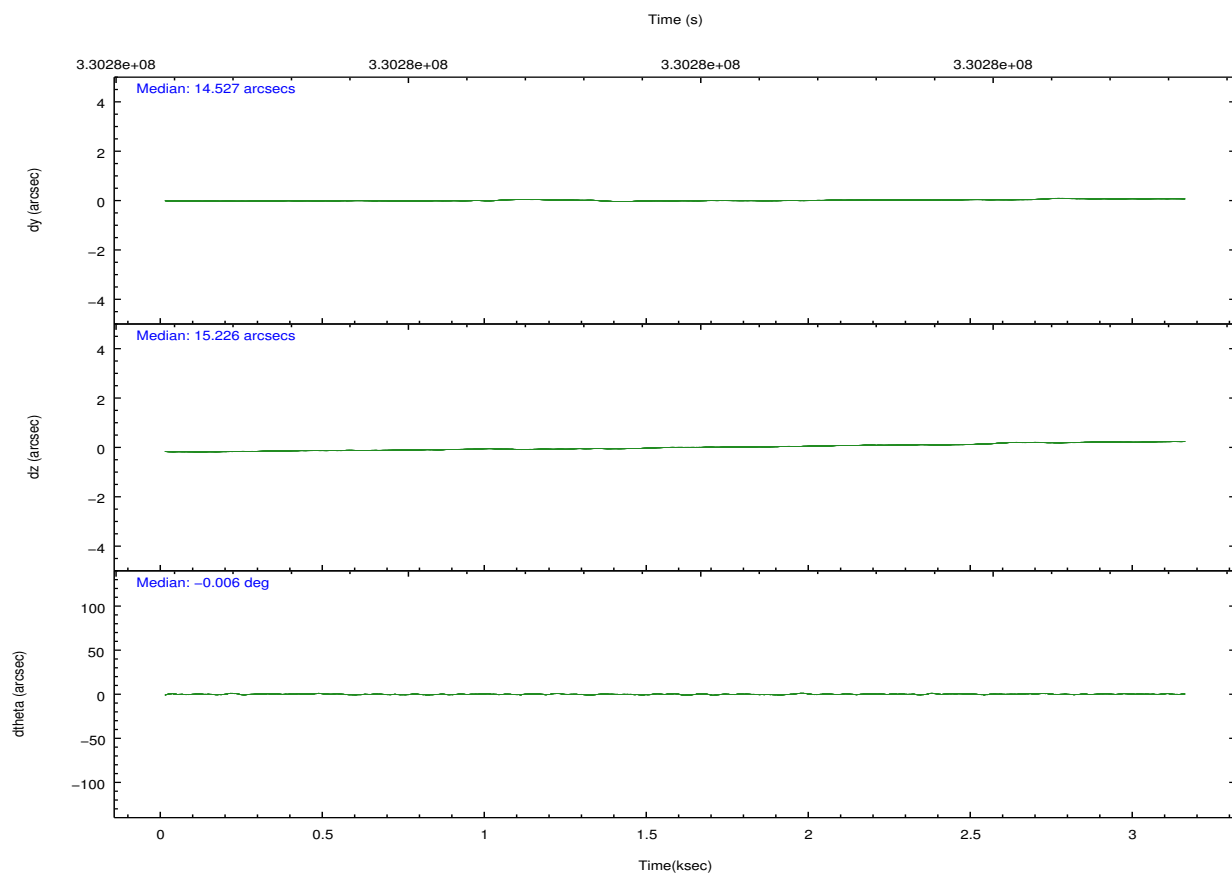
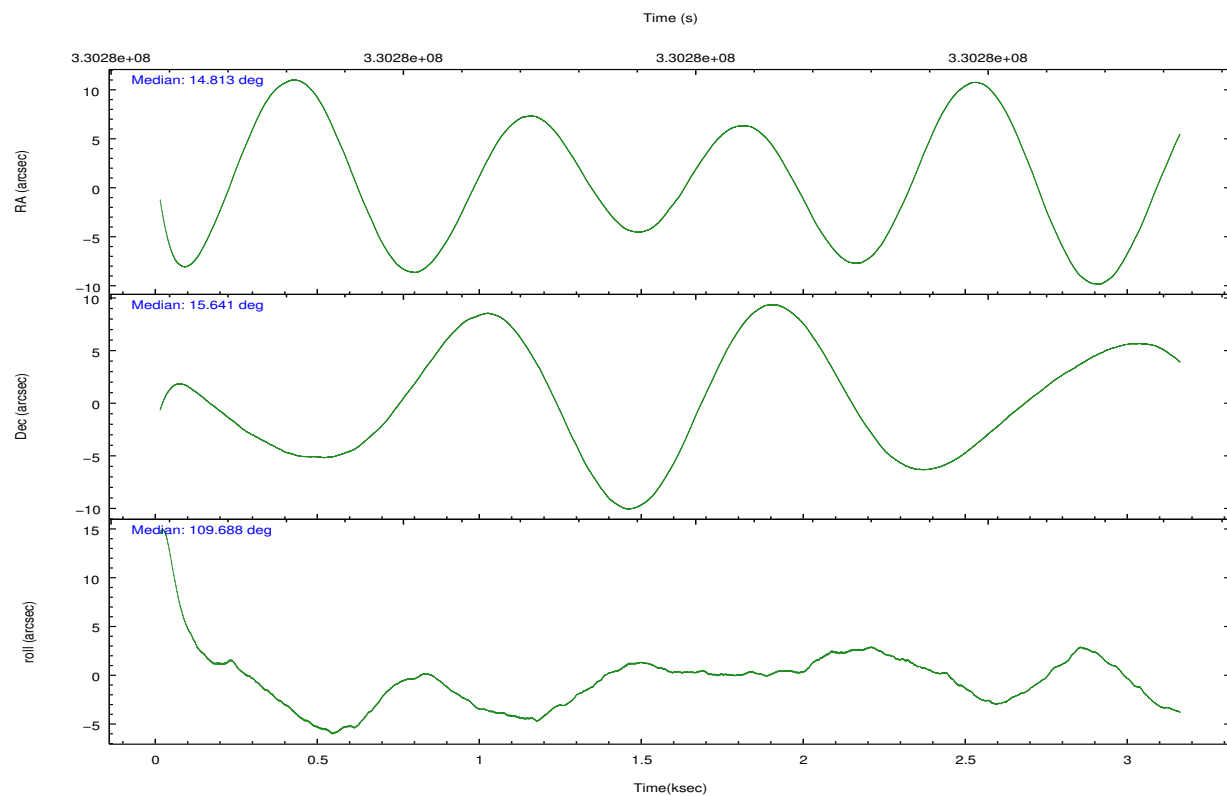
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	1034	966	893	1050	1629
	5%	5%	4%	4%	6%
grade 1 events	7	11	8	20	9
	0%	0%	0%	0%	0%
grade 2 events	495	455	489	2352	1324
	2%	2%	2%	9%	5%
grade 3 events	247	262	256	1008	637
	1%	1%	1%	3%	2%
grade 4 events	254	260	252	1043	564
	1%	1%	1%	4%	2%
grade 5 events	772	893	895	2495	1212
	4%	4%	4%	9%	4%
grade 6 events	363	452	493	5739	1536
	1%	2%	2%	22%	5%
grade 7 events	15755	15843	16680	12362	18751
	83%	82%	83%	47%	73%

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	14.835052	14.81305410155801	CCD I2 on	O1	Y
[deg] Pointing Dec	15.623405	15.64081843519813	CCD I3 on	Y	Y
[deg] Pointing Roll	109.533809	109.6964110551216	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)	330275490.184000	330274343.145	CCD S5 on	N	N
Observation start date	2008-06-19T15:10:25	2008-06-19T14:52:23	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	330278490.184000	330279301.58274	On-chip summing requested	N	N
Observation end date	2008-06-19T16:00:25	2008-06-19T16:15:01	Subarray requested	CUSTOM	1/2
Read mode	TIMED	TIMED	Subarray start row	257	257
			Subarray row count	512	512
			Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	1.7

2.3 Aspect



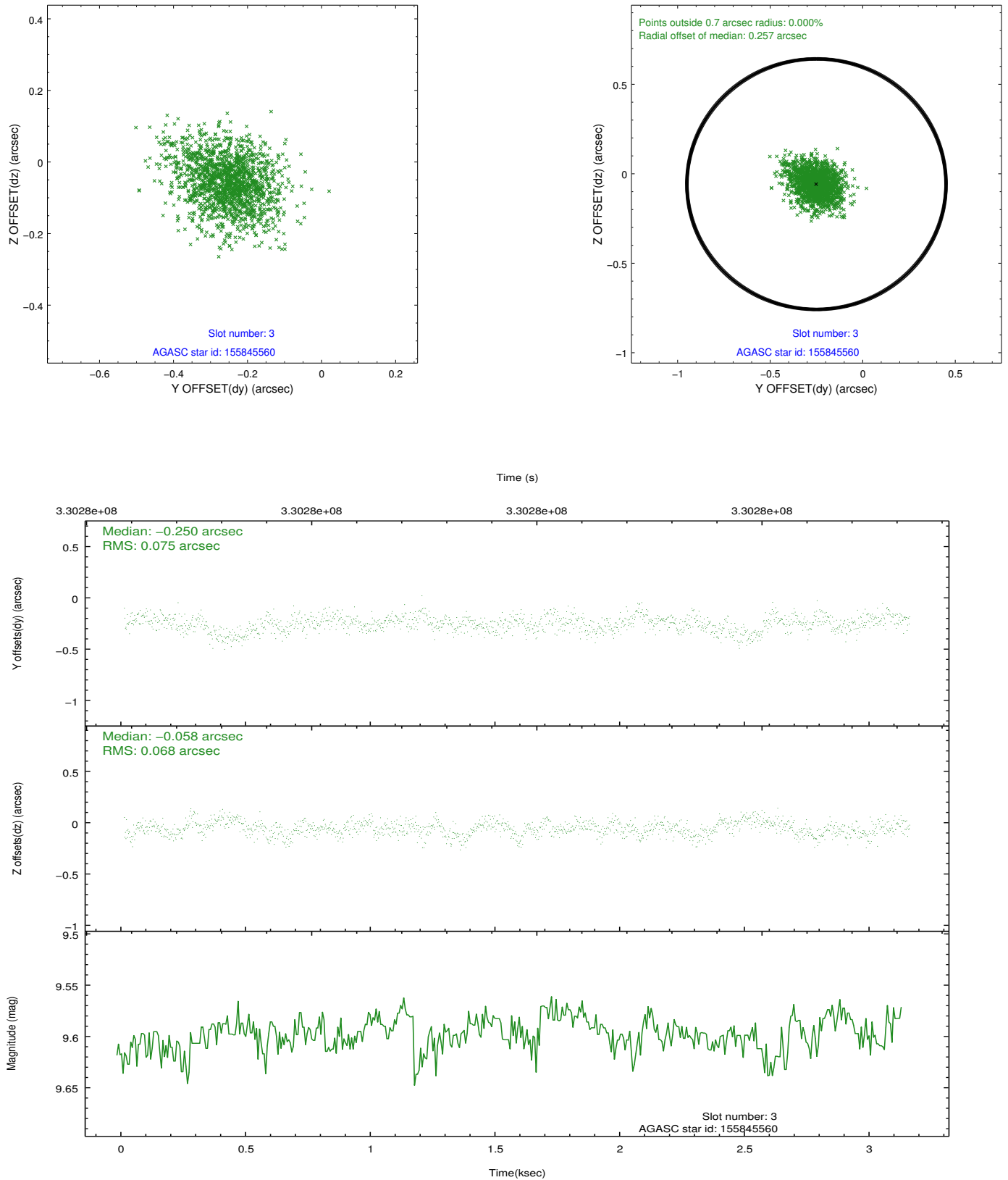


Slot Statistics

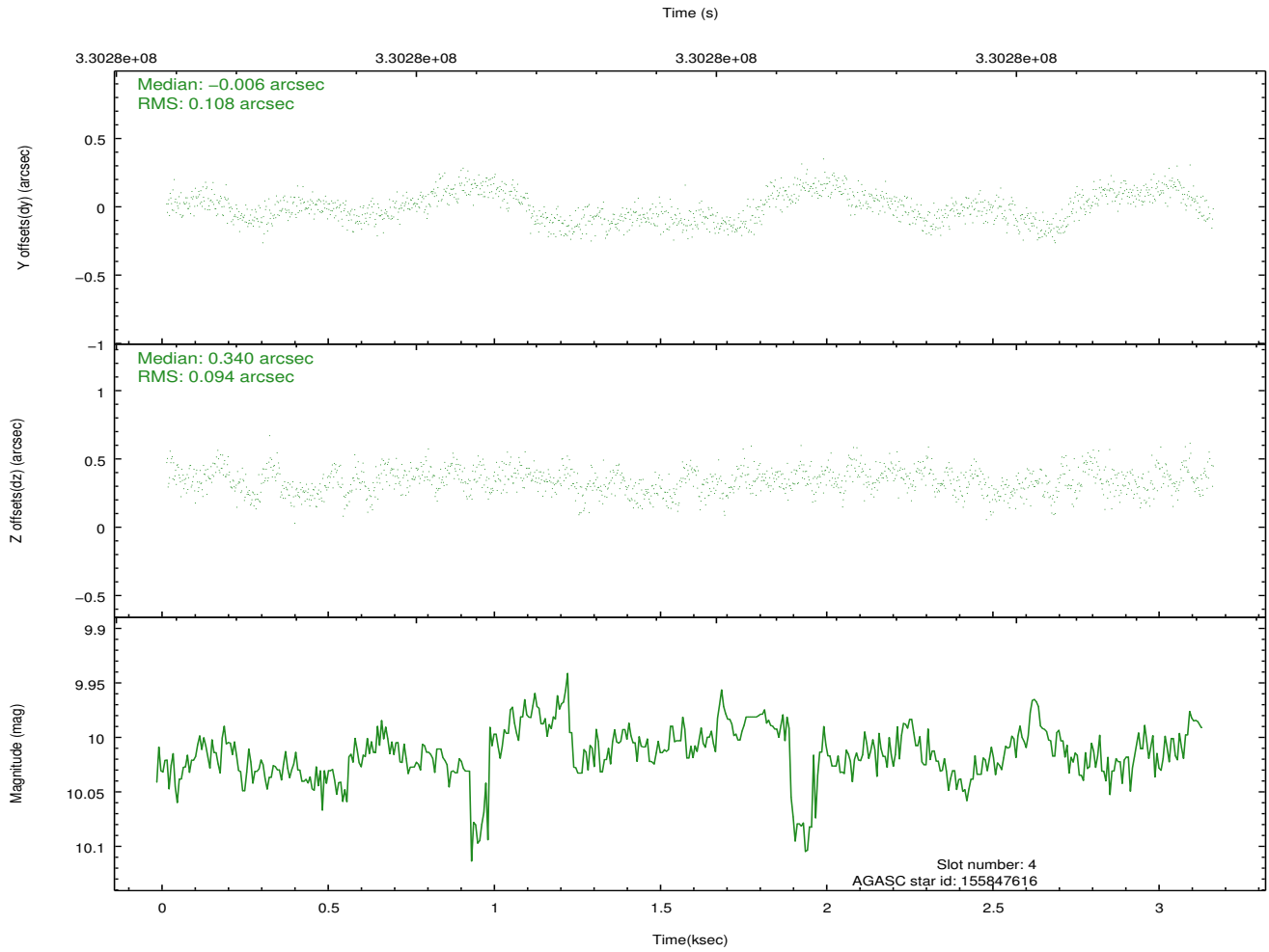
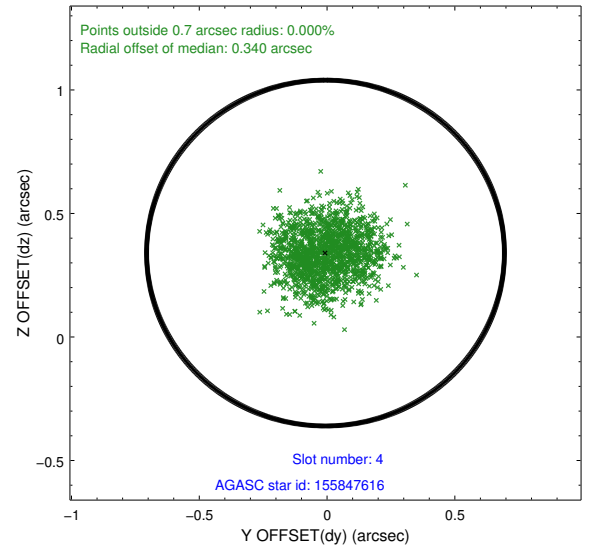
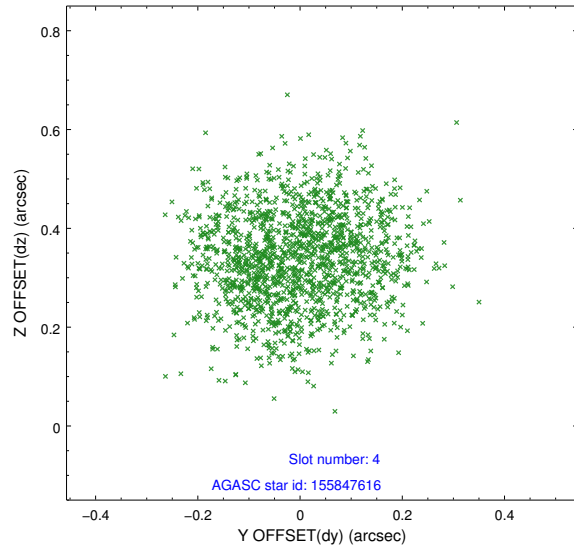
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.97	768	0.016	-0.022	0.010	0.016	0.000000	0.000000	928.56	-1732.26
1	FID	ACIS-S-4	6.98	768	0.137	0.012	0.007	0.012	0.000000	0.000000	2147.20	169.84
2	FID	ACIS-S-5	7.01	769	-0.179	0.022	0.007	0.011	0.000000	0.000000	-1817.93	165.71
3	GUIDE	155845560	9.60	1536	-0.250	-0.058	0.107	0.180	14.434485	16.050417	1913.09	791.69
4	GUIDE	155847616	10.02	1534	-0.006	0.340	0.157	0.235	15.415591	15.872304	176.49	-2194.27
5	GUIDE	155857664	9.07	1533	0.224	-0.455	0.089	0.146	14.332572	15.191474	-879.81	2162.45
6	GUIDE	155846576	8.61	1537	-0.162	-0.169	0.065	0.107	14.350056	16.157047	2372.09	938.93
7	GUIDE	155855864	10.03	1531	0.205	0.342	0.153	0.239	15.579662	15.630420	-832.96	-2442.21

2.4 Star Slots

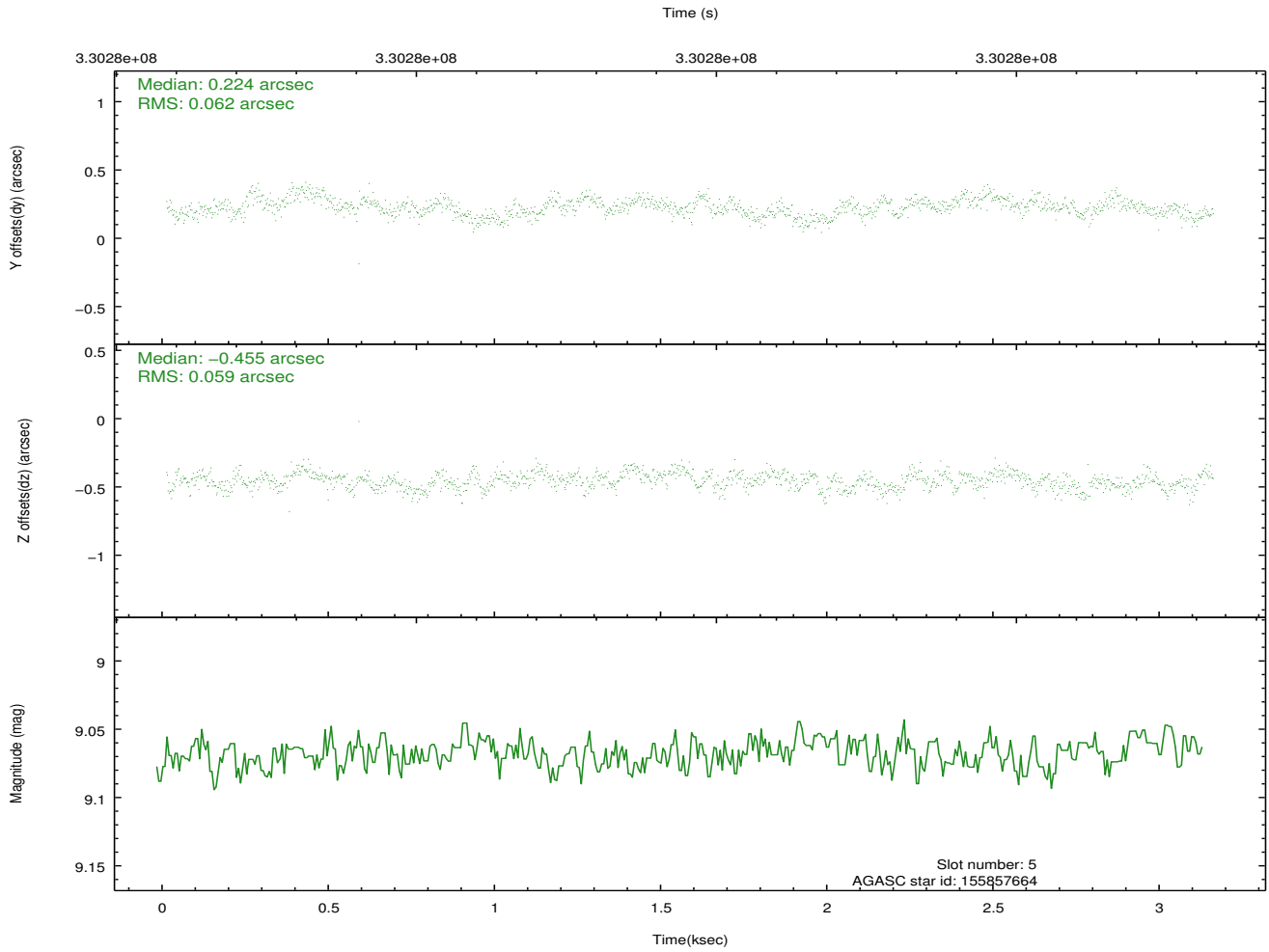
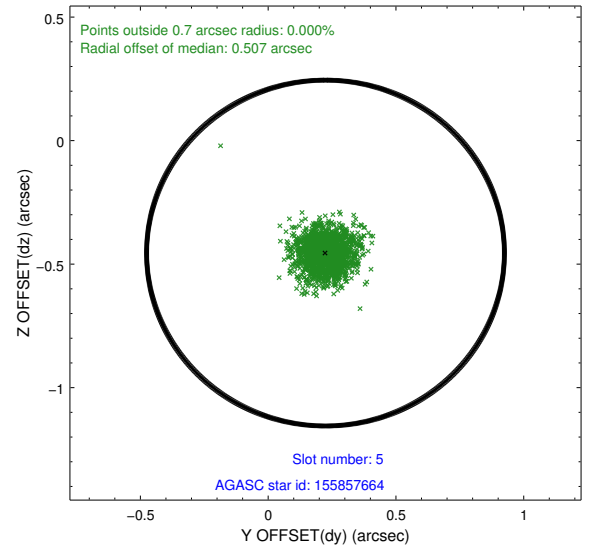
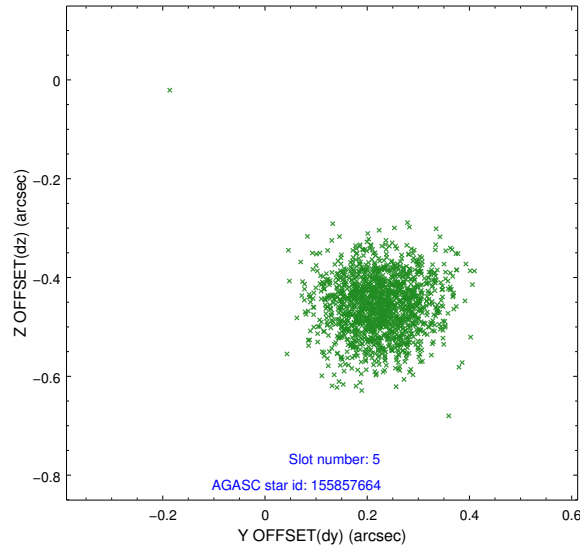
2.4.1 Slot 3



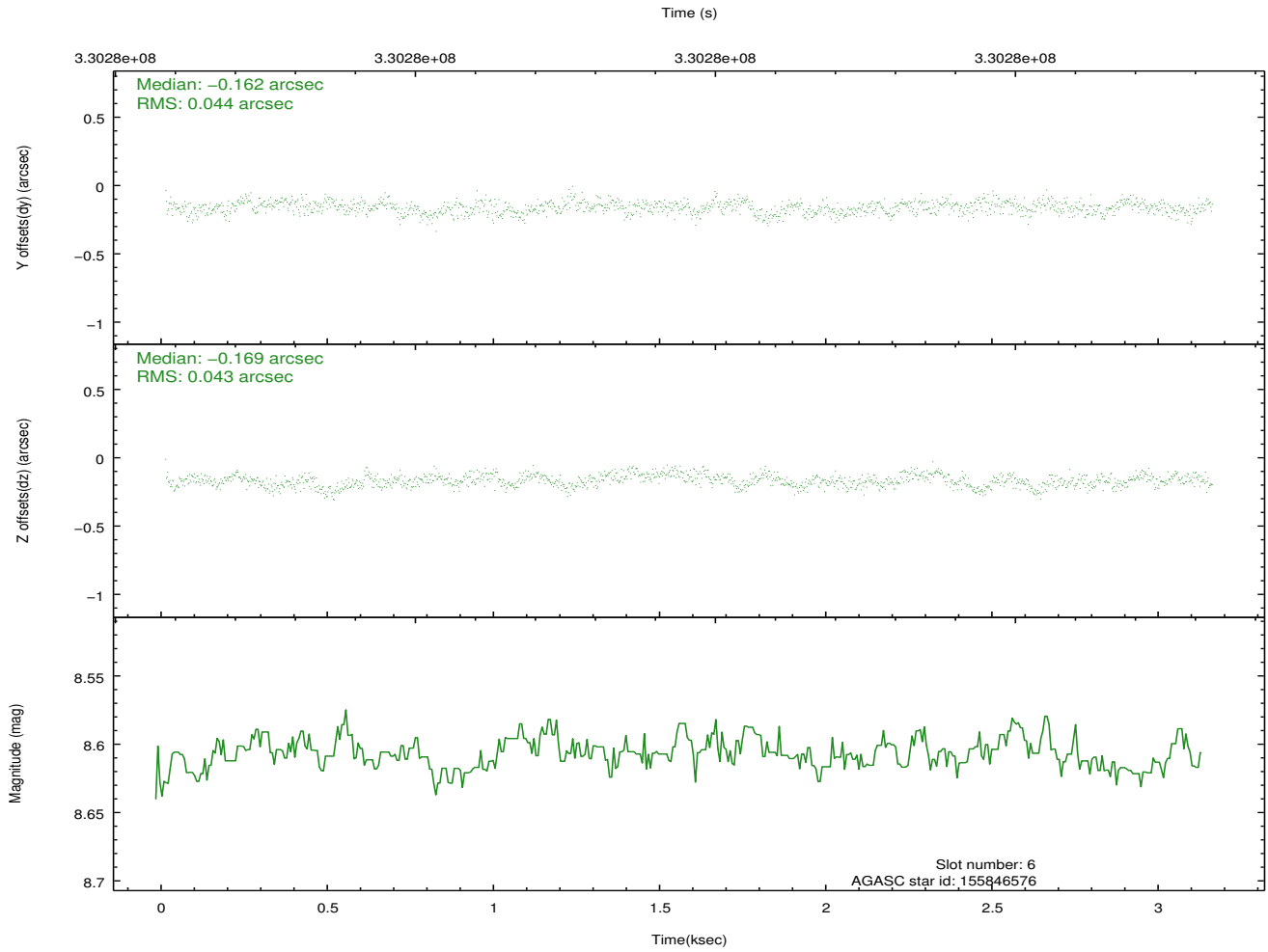
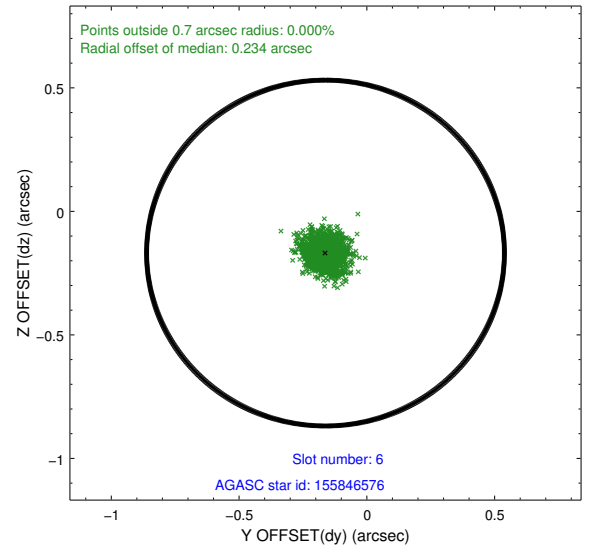
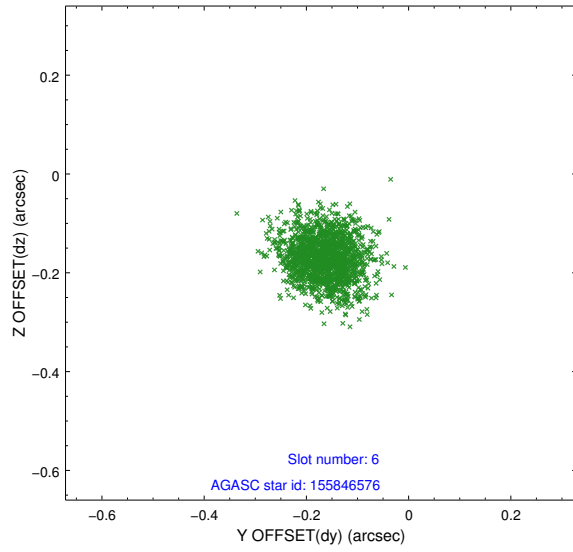
2.4.2 Slot 4



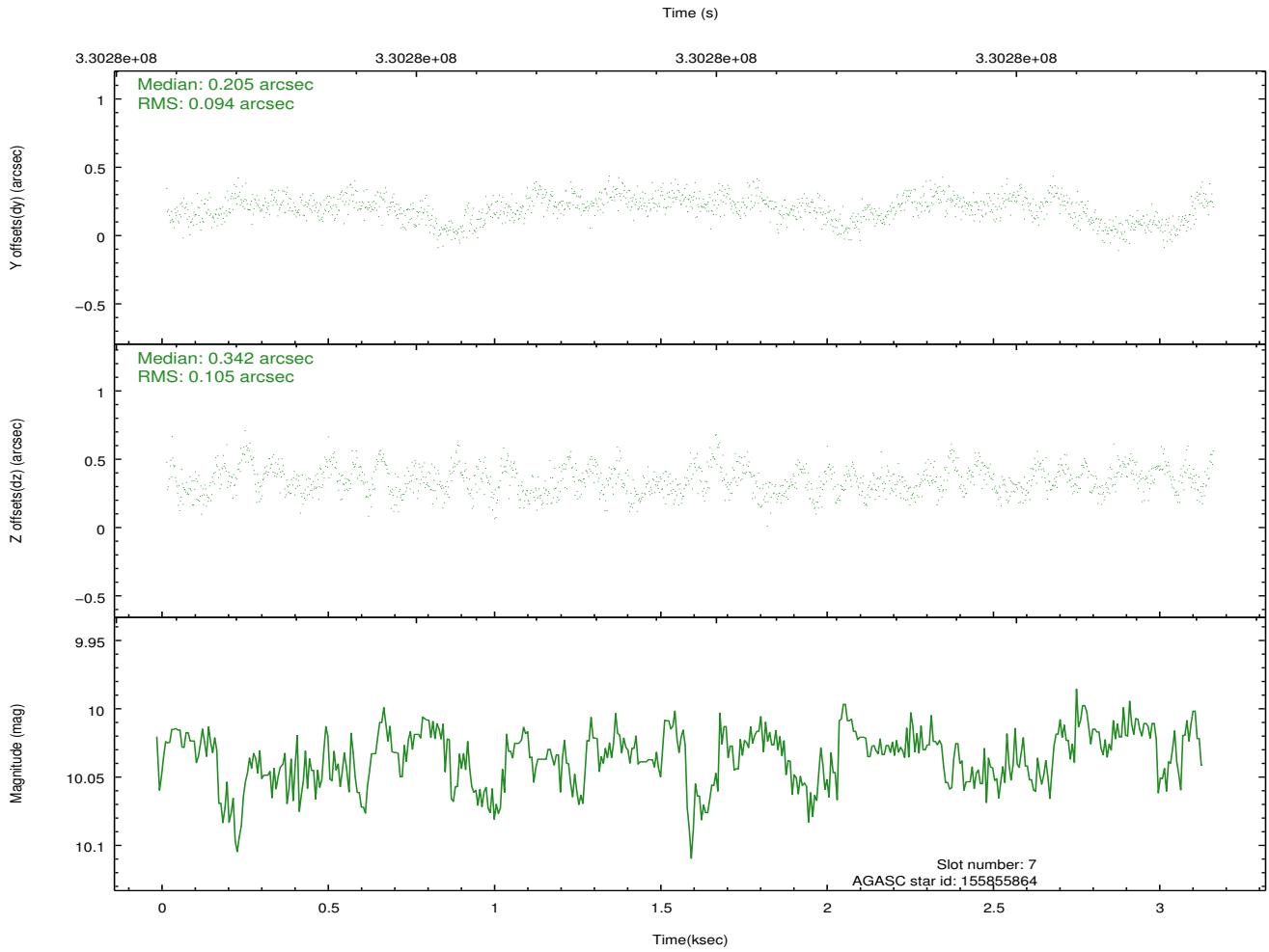
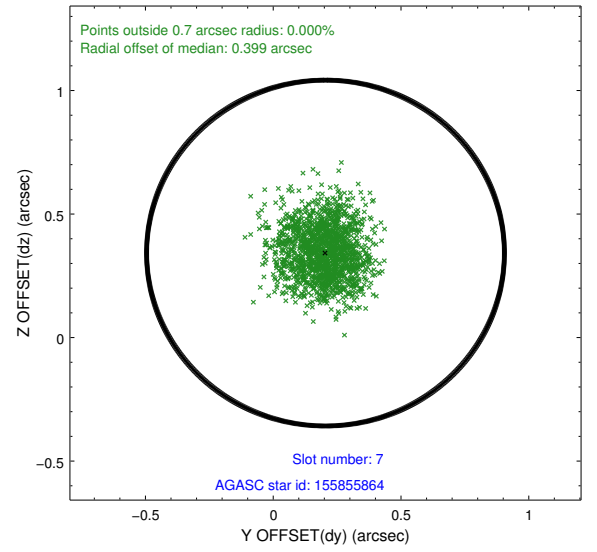
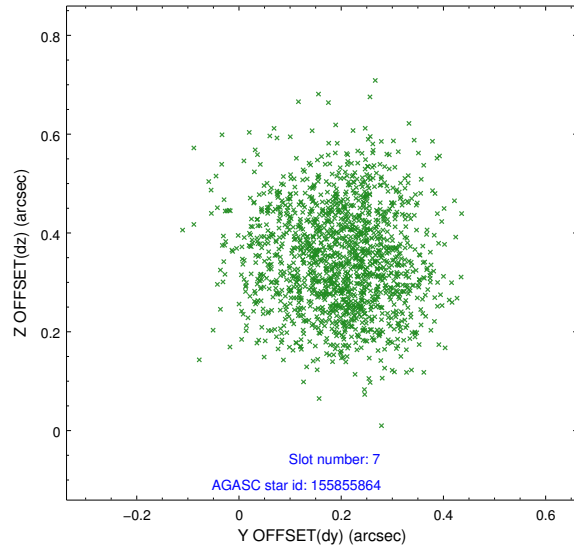
2.4.3 Slot 5



2.4.4 Slot 6

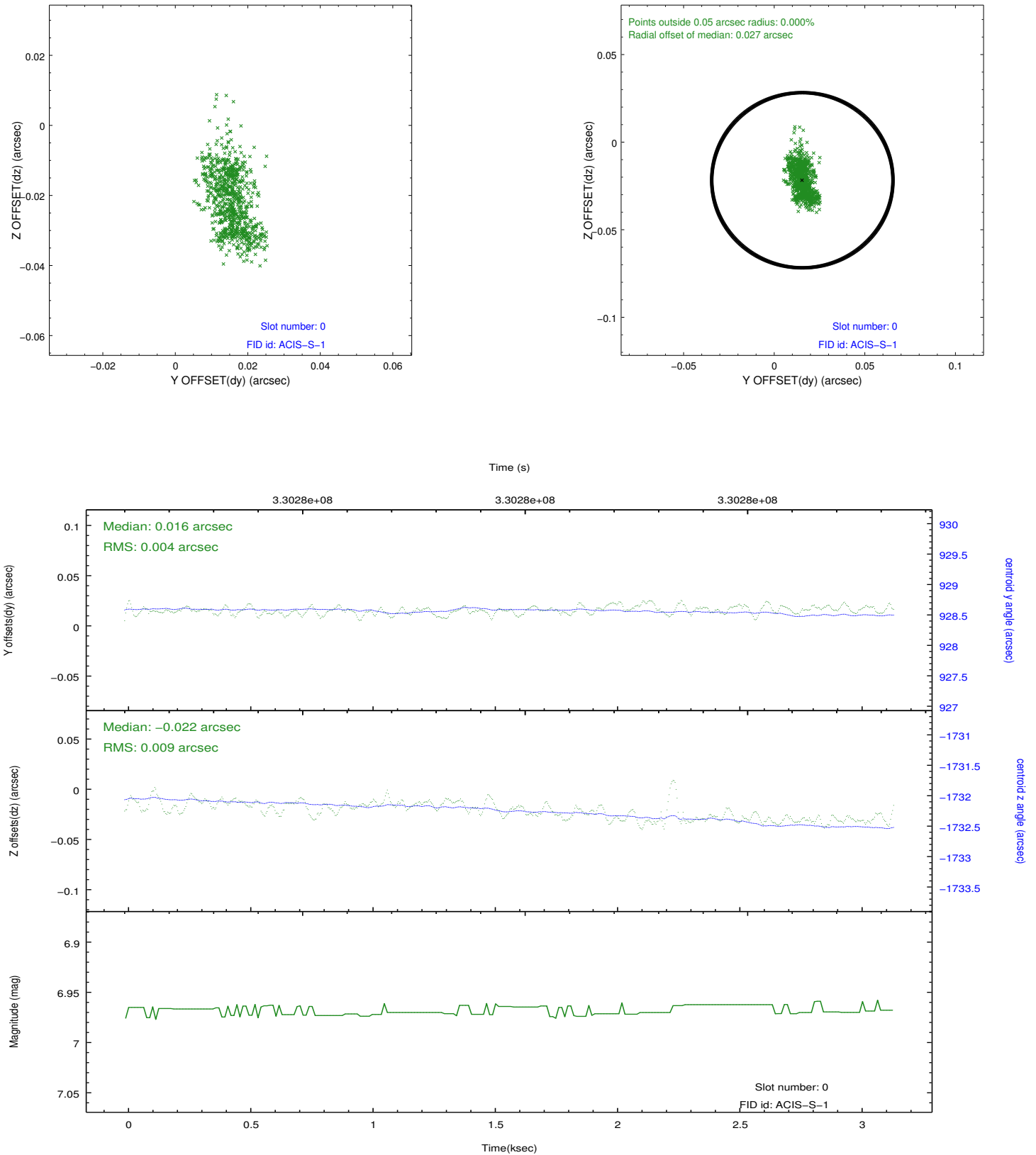


2.4.5 Slot 7

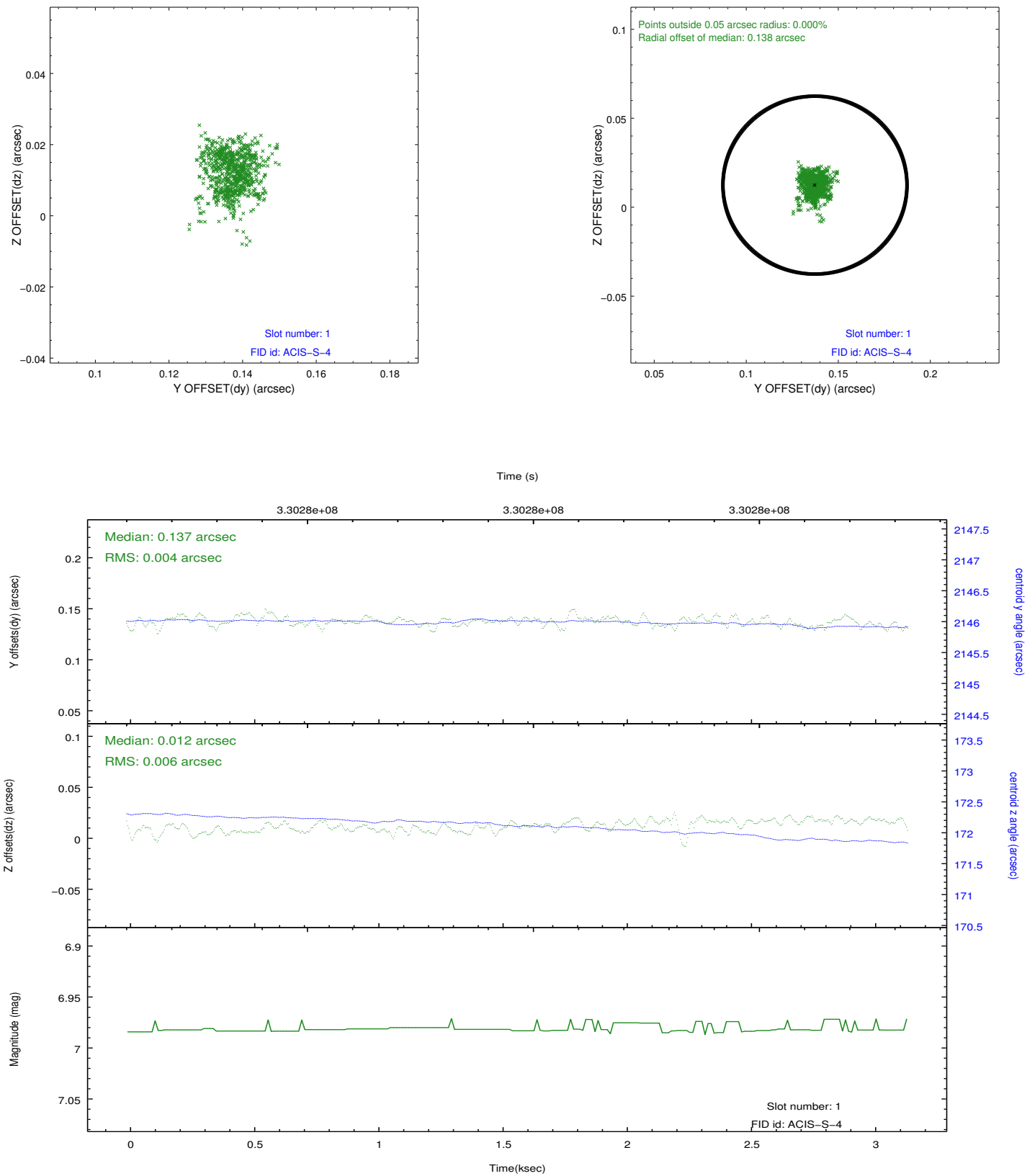


2.5 FID Slots

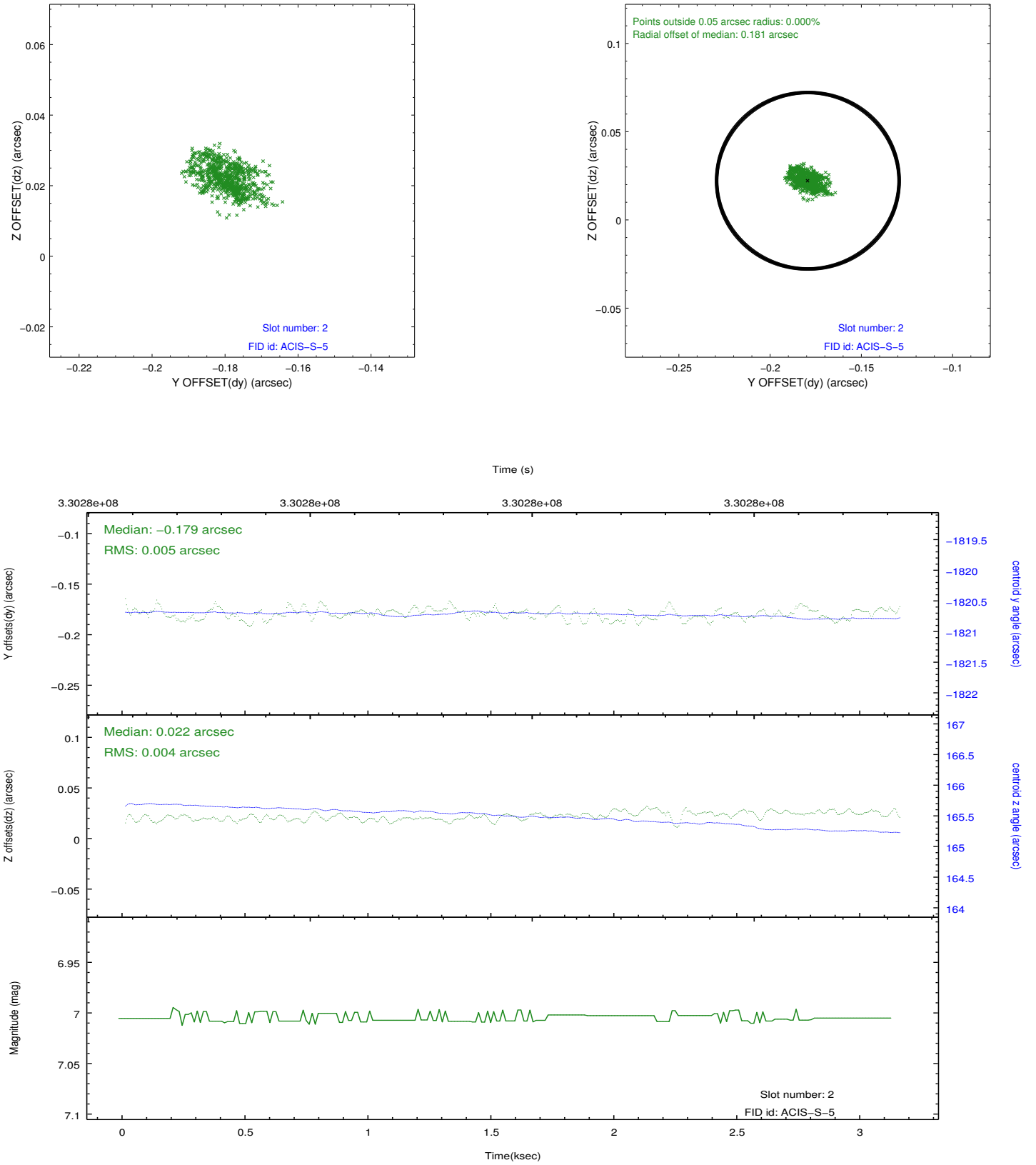
2.5.1 Slot 0



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)	2012.05.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.14499997

A.2 Comments

Joint proposal with HST and Spitzer.