

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7532 - L2 Version 2
Chandra X-Ray Center

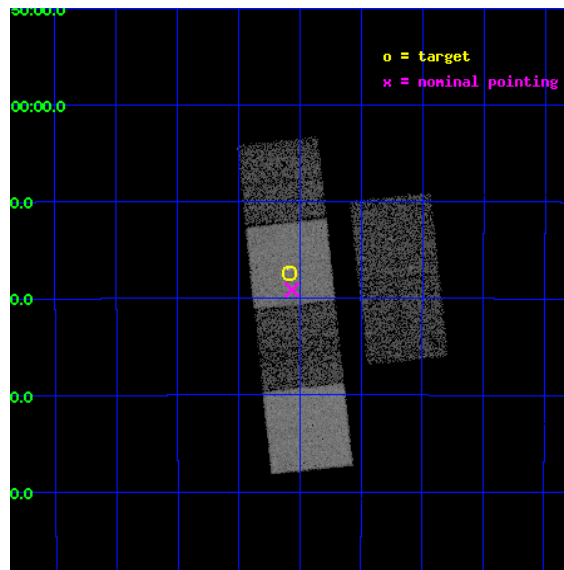
L2 Processing Date : May 2 2012

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

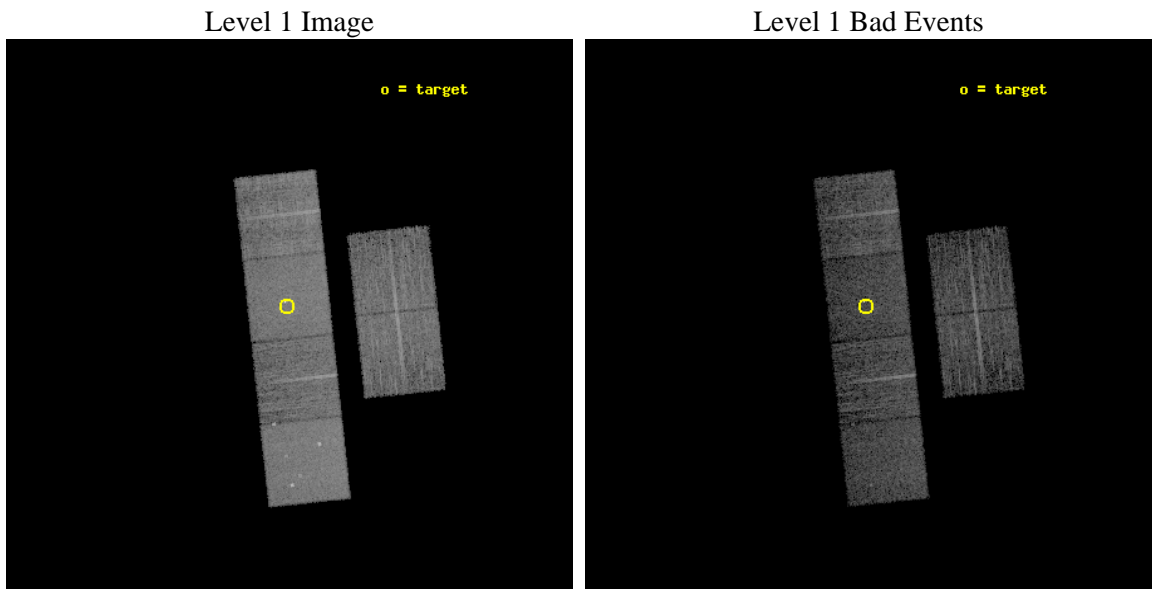
seq_num	400642	Sequence number
obs_id	7532	Observation id
title	Localization and Spectra of INTEGRAL-Selected Sources in the Galactic Plane	Proposal title
observer	Dr. John Tomsick	Principal investigator
object	IGR J17200-3116	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	260.022083	Observer's specified target RA [deg]
dec_targ	-31.29	Observer's specified target Dec [deg]
ra_nom	260.01641543231	Nominal RA [deg]
dec_nom	-31.318785859075	Nominal Dec [deg]
roll_nom	263.86600690287	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4751.999982357	Sum of GTIs [s]
livetime	4691.8272972696	Livetime [s]
ontime2	4751.999982357	Sum of GTIs [s]
ontime3	4751.999982357	Sum of GTIs [s]
ontime5	4751.999982357	Sum of GTIs [s]
ontime6	4751.999982357	Sum of GTIs [s]
ontime7	4751.999982357	Sum of GTIs [s]
ontime8	4745.5180218816	Sum of GTIs [s]
l2events	78977	Number of level 2 events



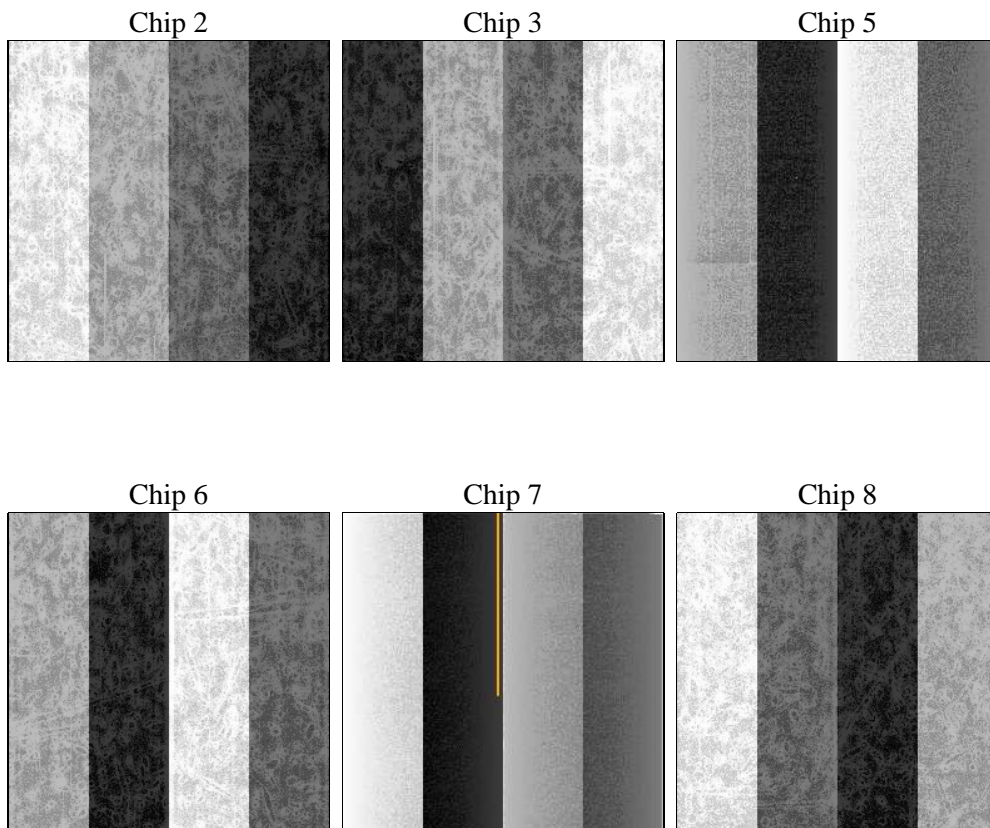
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4751.999982357	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	4751.999982357	Sum of GTIs [s]
date	2012-05-02T08:59:28	Date and time of file creation	ontime3	4751.999982357	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	4751.999982357	Sum of GTIs [s]
			ontime6	4751.999982357	Sum of GTIs [s]
			ontime7	4751.999982357	Sum of GTIs [s]
			ontime8	4745.5180218816	Sum of GTIs [s]
			l1events	339122	Number of level 1 events

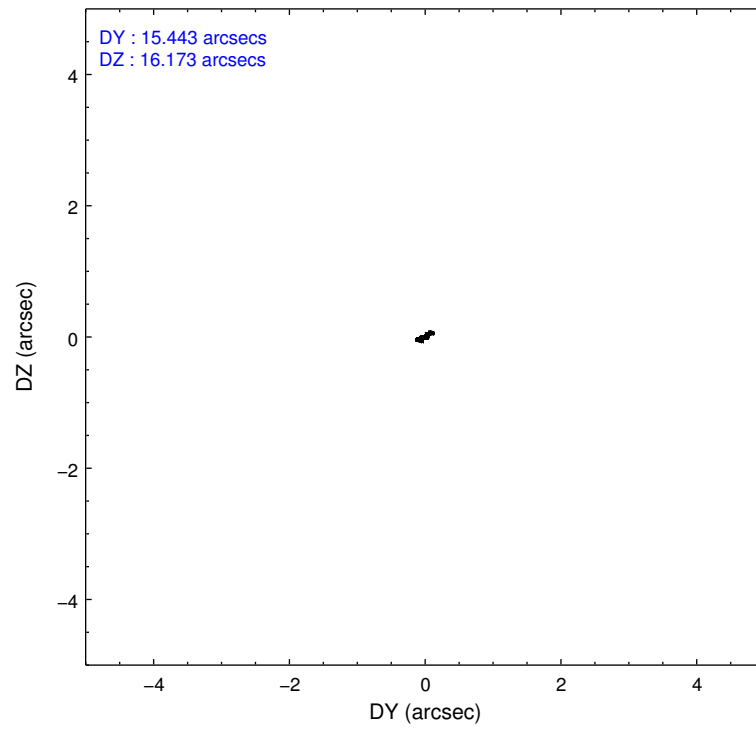
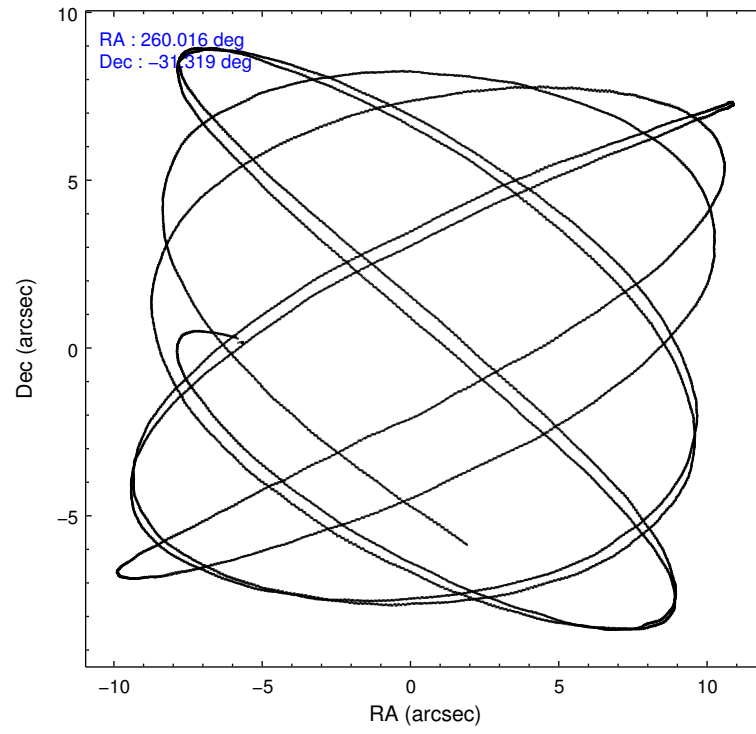
2.1.4 Events

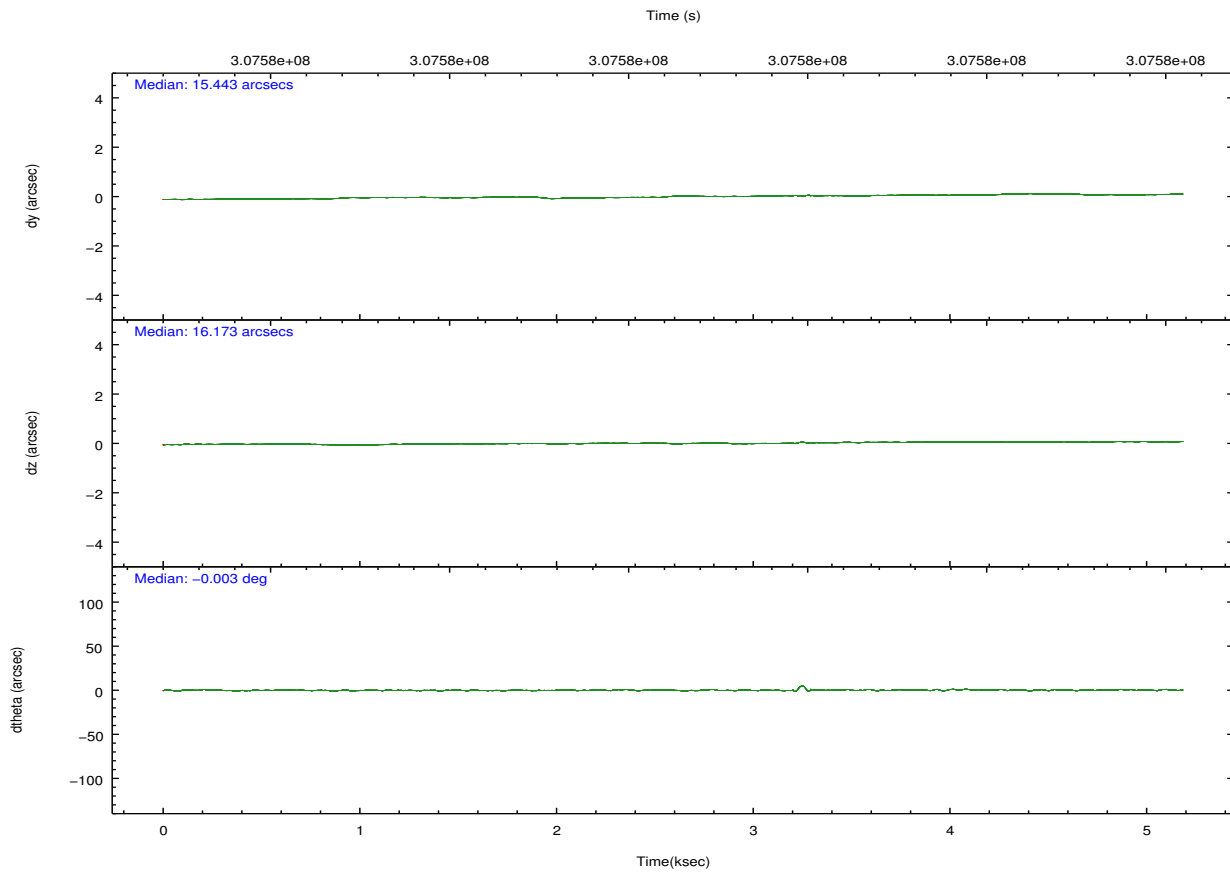
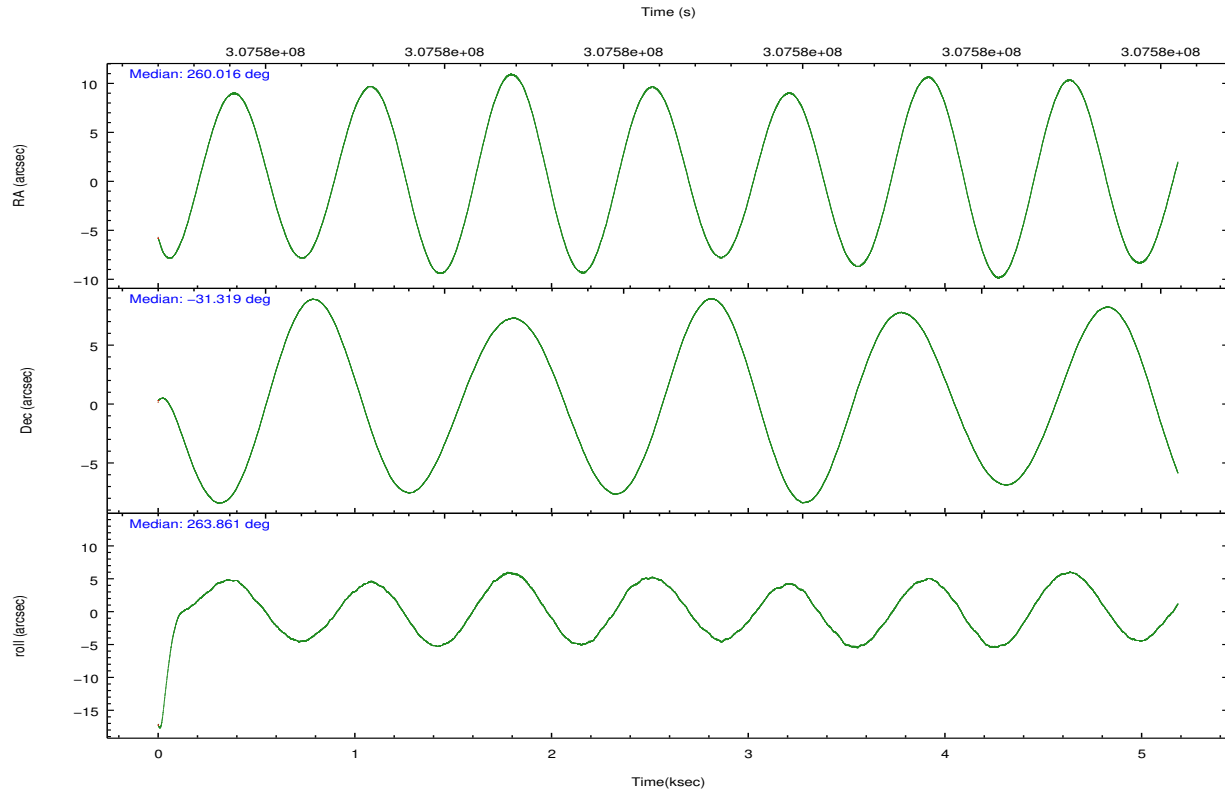
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	48538	45330	71072	47286	65719	61177	grade 0 events	2674	2569	3317	2431	2582	4274
rejected events	42730	39656	37869	41371	37480	47866		5%	5%	4%	5%	3%	6%
rejected %	88%	87%	53%	87%	57%	78%	grade 1 events	46	32	126	28	119	72
								0%	0%	0%	0%	0%	0%
							grade 2 events	1187	1098	9885	1235	5857	2914
								2%	2%	13%	2%	8%	4%
							grade 3 events	504	551	1212	545	2384	1326
								1%	1%	1%	1%	3%	2%
							grade 4 events	514	545	1236	542	2454	1375
								1%	1%	1%	1%	3%	2%
							grade 5 events	1801	2085	4984	2140	6087	2819
								3%	4%	7%	4%	9%	4%
							grade 6 events	942	924	17618	1178	15003	3463
								1%	2%	24%	2%	22%	5%
							grade 7 events	40870	37526	32694	39187	31233	44934
								84%	82%	46%	82%	47%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	260.003137	260.0164154323094	CCD I2 on	O2	Y
[deg] Pointing Dec	-31.293921	-31.31878585907519	CCD I3 on	Y	Y
[deg] Pointing Roll	263.702528	263.8660069028737	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	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	Y	Y
[s] Observation start time (MET)	307578840.184000	307578240.08128	CCD S5 on	N	N
Observation start date	2007-09-30T22:32:55	2007-09-30T22:24:00	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	307583840.184000	307584808.7941	On-chip summing requested	N	N
Observation end date	2007-09-30T23:56:15	2007-10-01T00:13:28	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



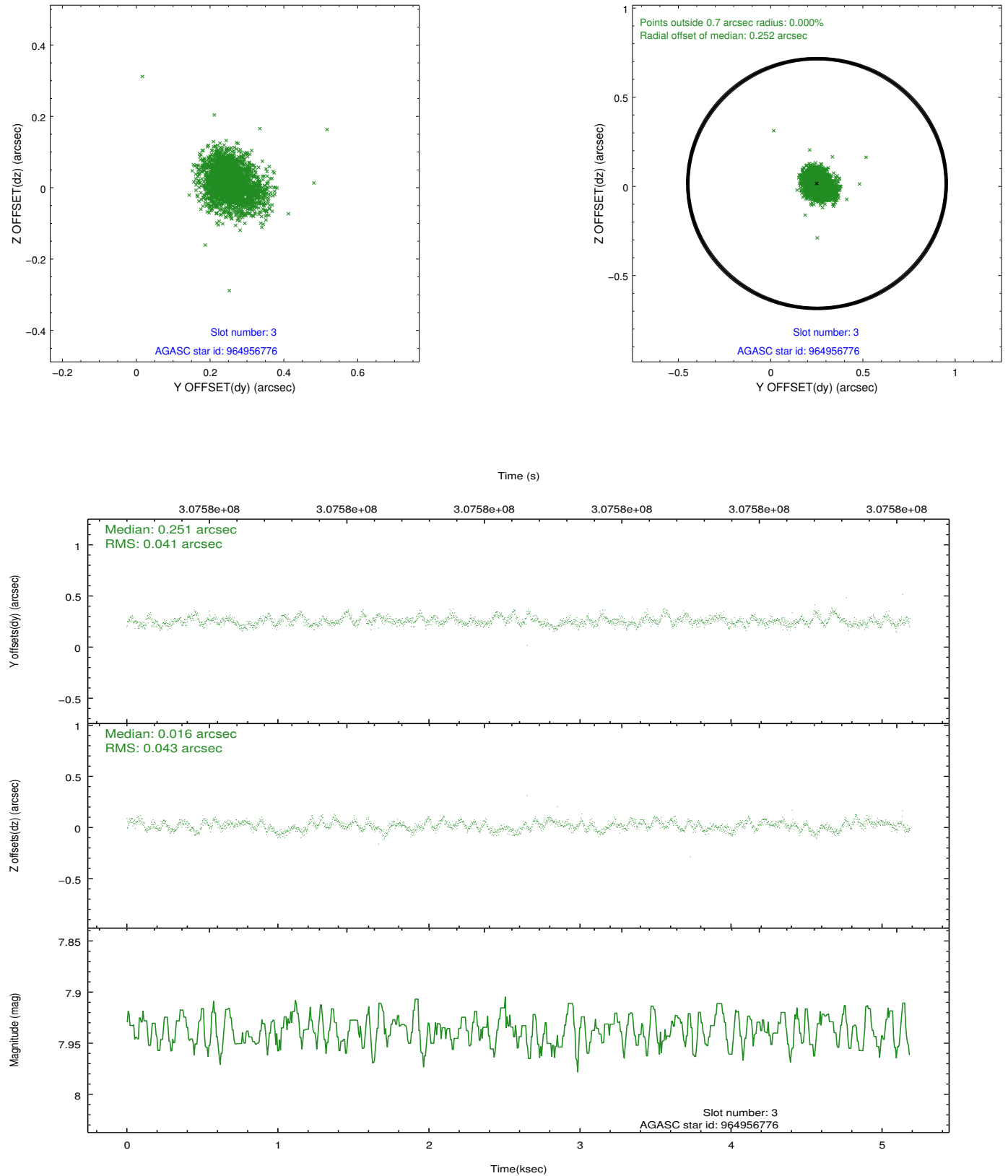


Slot Statistics

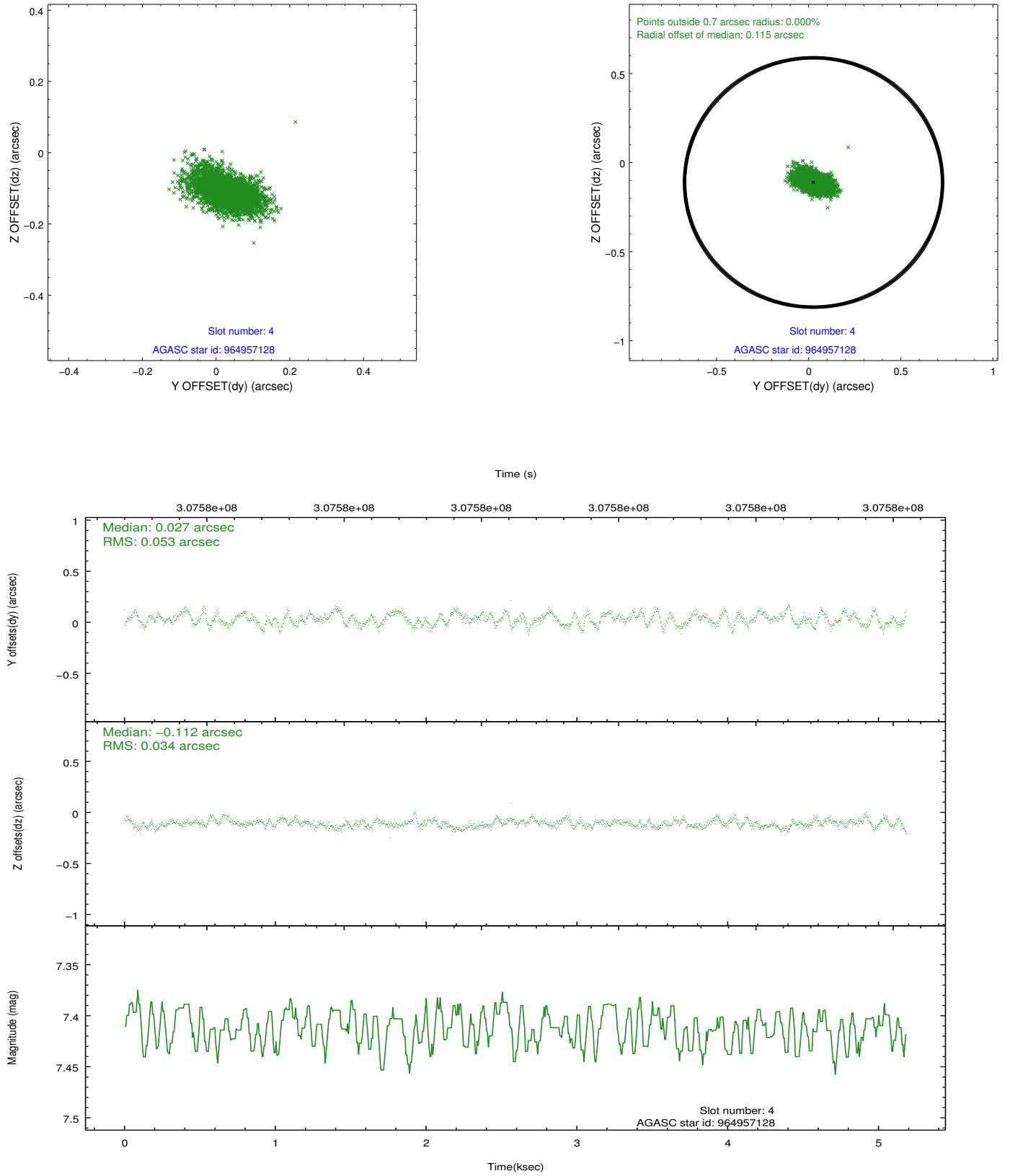
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1265	-0.090	-0.019	0.007	0.012	0.000000	0.000000	-768.53	-1737.60
1	FID	ACIS-S-4	7.18	1264	0.175	0.048	0.006	0.012	0.000000	0.000000	2144.50	169.71
2	FID	ACIS-S-5	7.22	1265	-0.116	-0.020	0.007	0.012	0.000000	0.000000	-1819.88	164.68
3	GUIDE	964956776	7.94	2530	0.251	0.016	0.062	0.102	260.357236	-31.581931	913.64	1193.72
4	GUIDE	964957128	7.41	2530	0.027	-0.112	0.066	0.110	259.819245	-31.361705	306.05	-534.40
5	GUIDE	964959240	8.07	2530	-0.053	0.333	0.060	0.094	260.567726	-31.584991	856.24	1836.90
6	GUIDE	964957144	7.47	2530	-0.189	-0.207	0.064	0.104	259.276762	-30.766004	-1634.70	-2440.41
7	GUIDE	964955472	8.32	2529	-0.043	-0.035	0.057	0.094	260.303973	-31.122639	-713.68	853.15

2.4 Star Slots

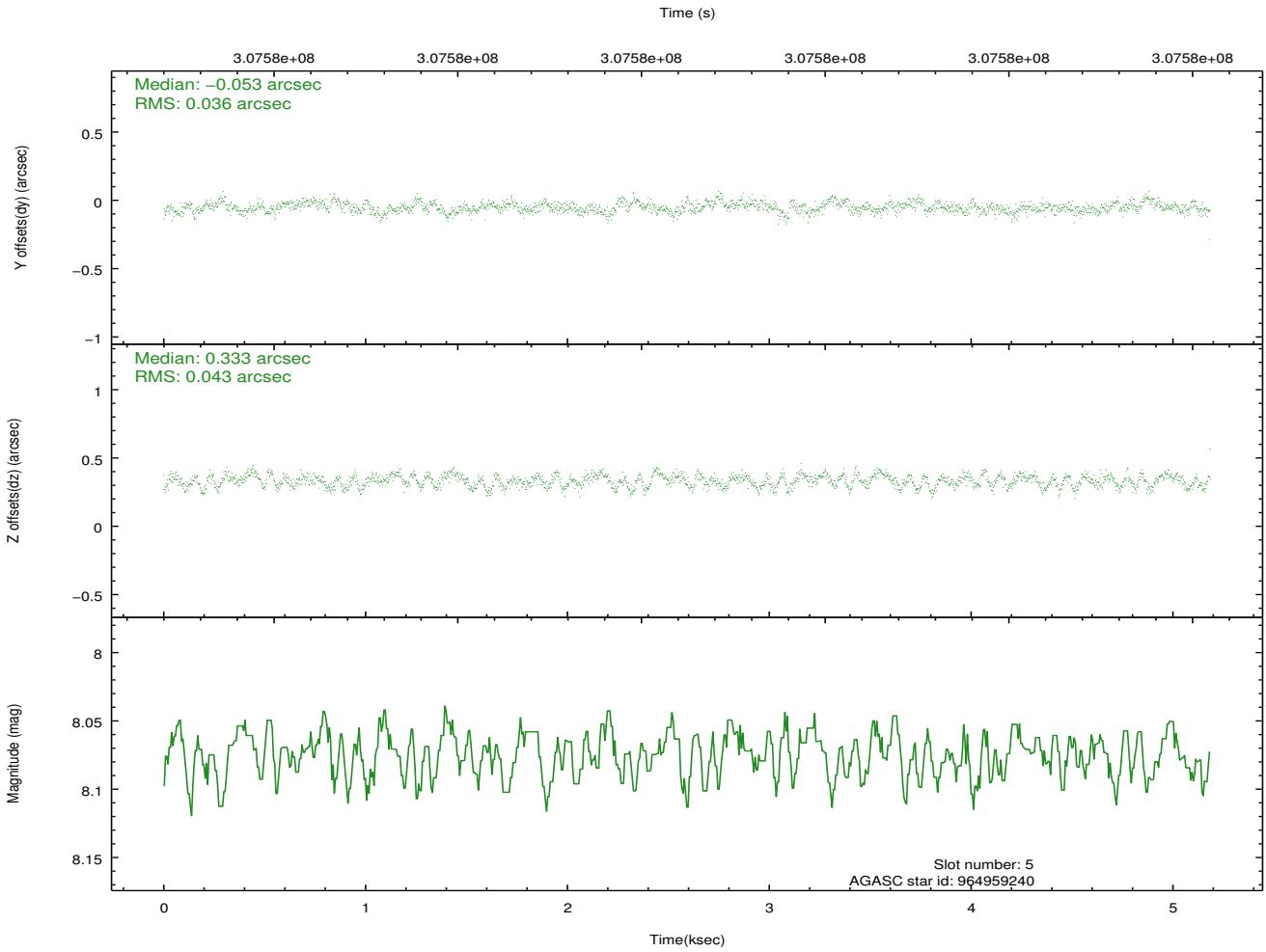
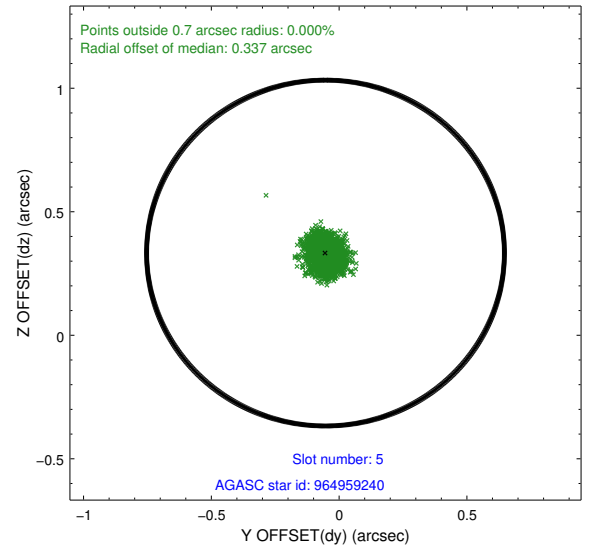
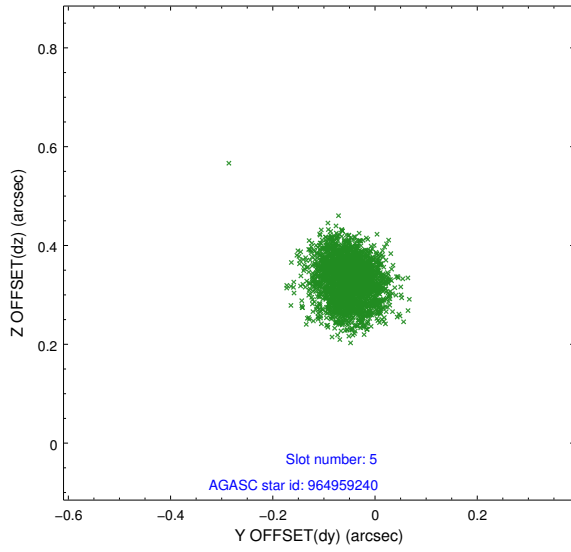
2.4.1 Slot 3



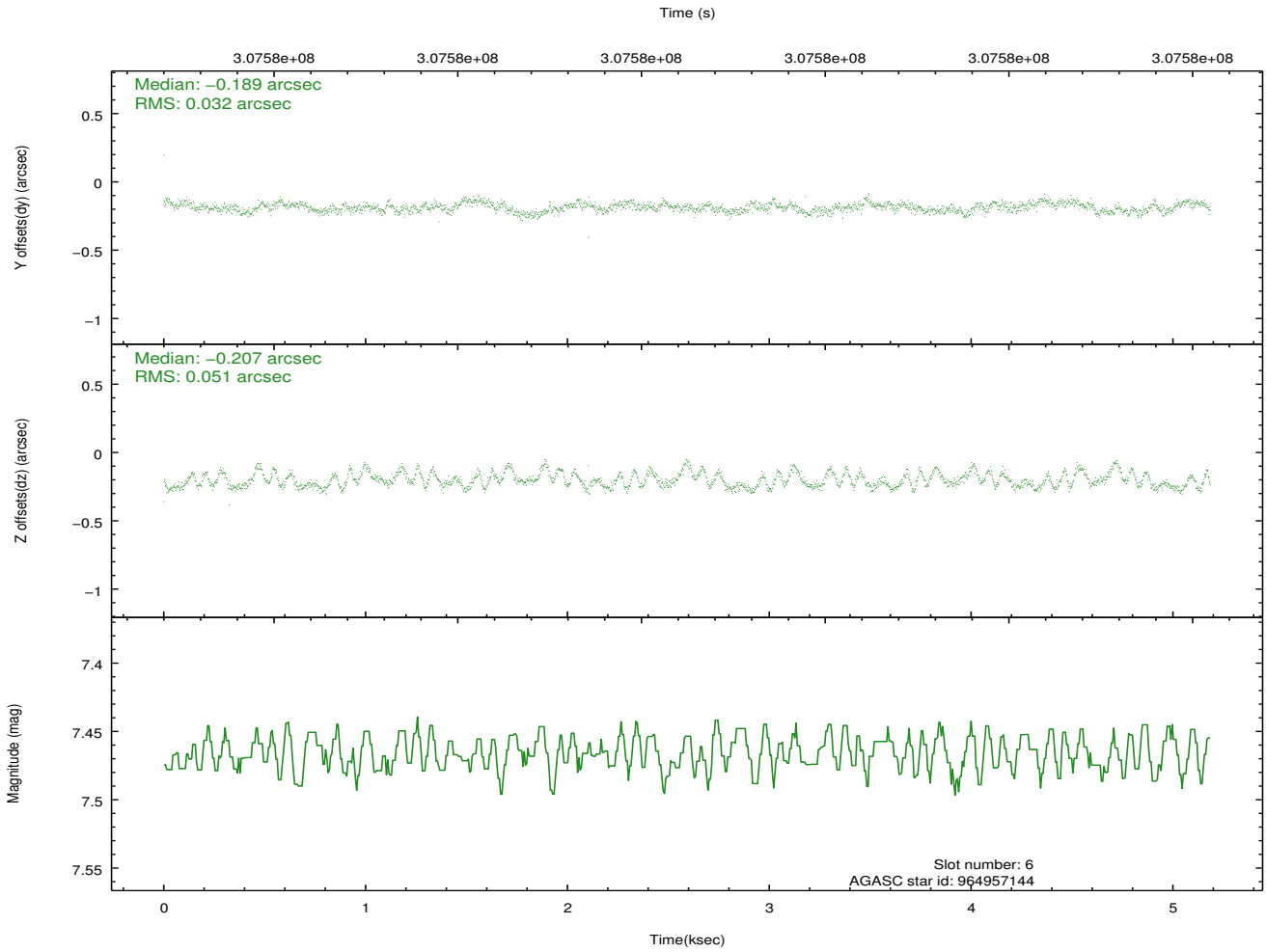
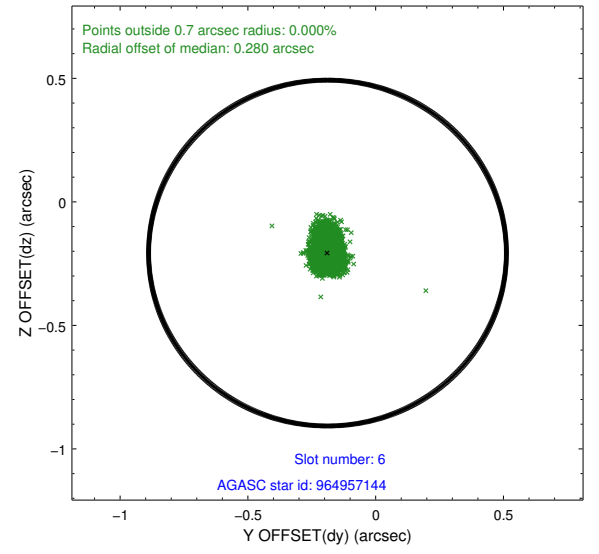
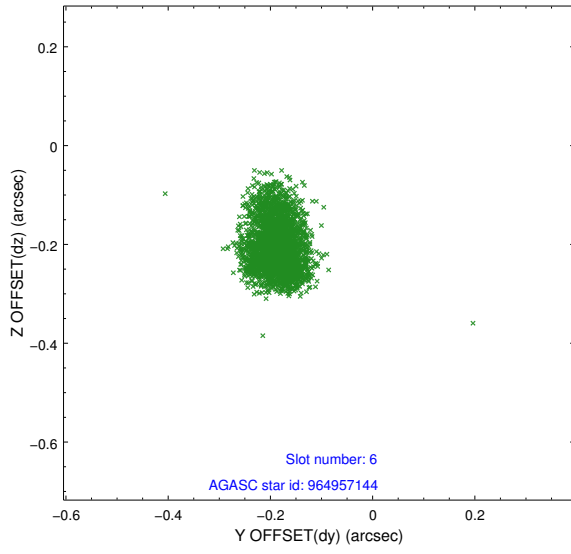
2.4.2 Slot 4



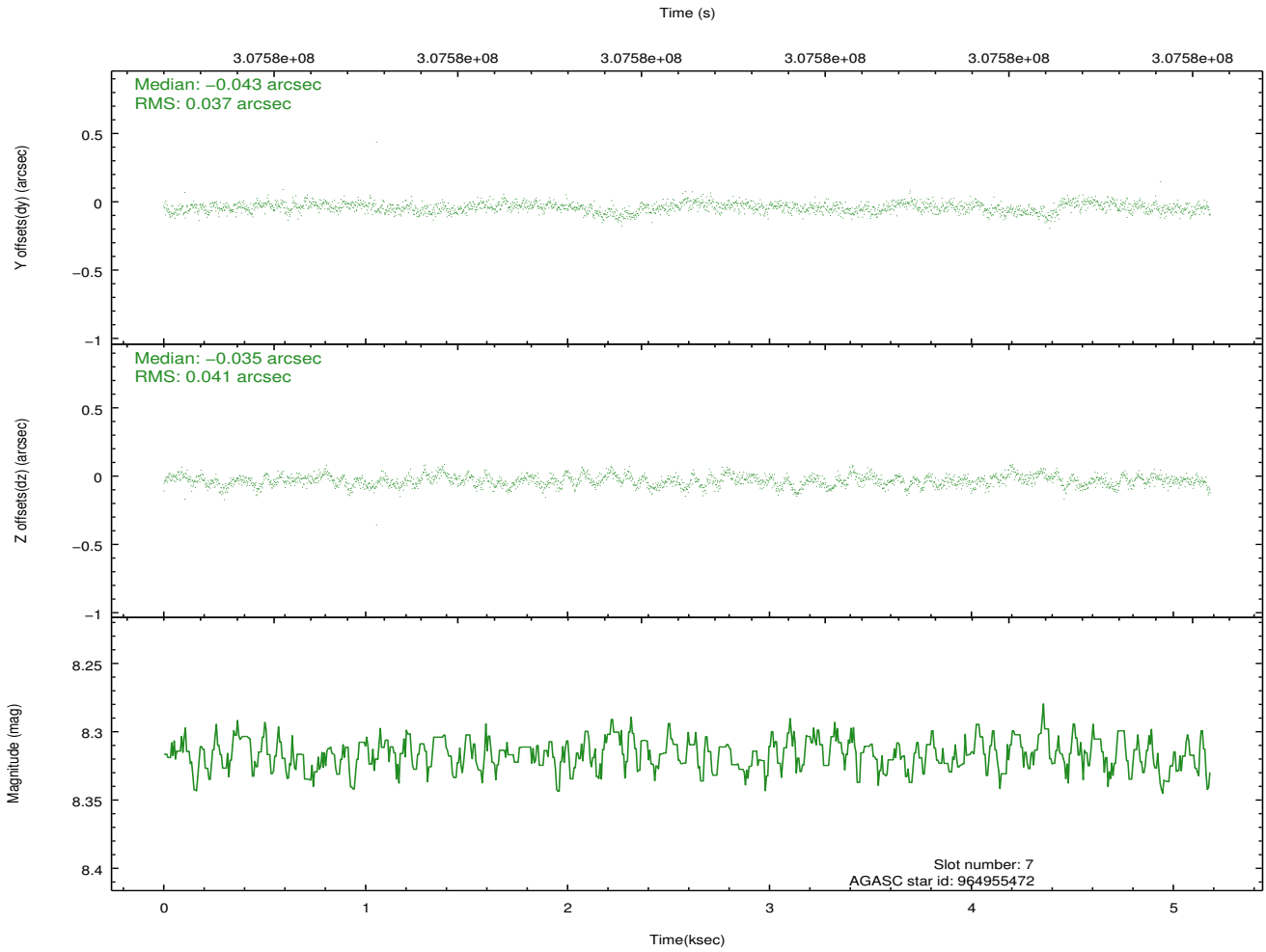
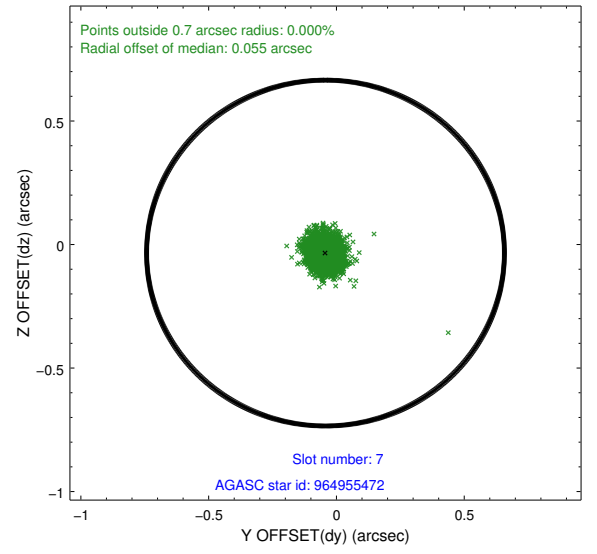
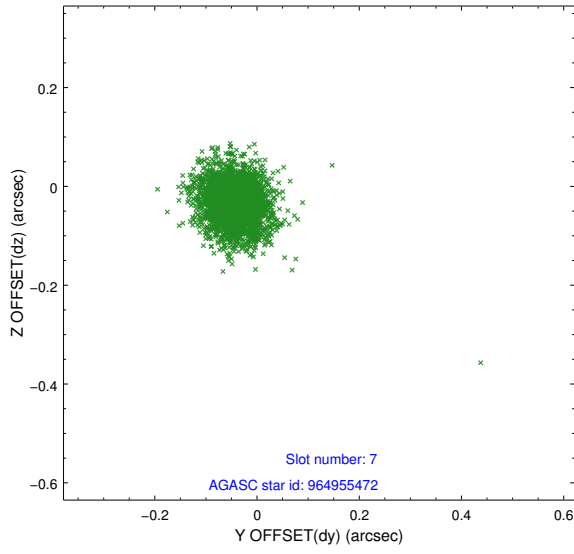
2.4.3 Slot 5



2.4.4 Slot 6

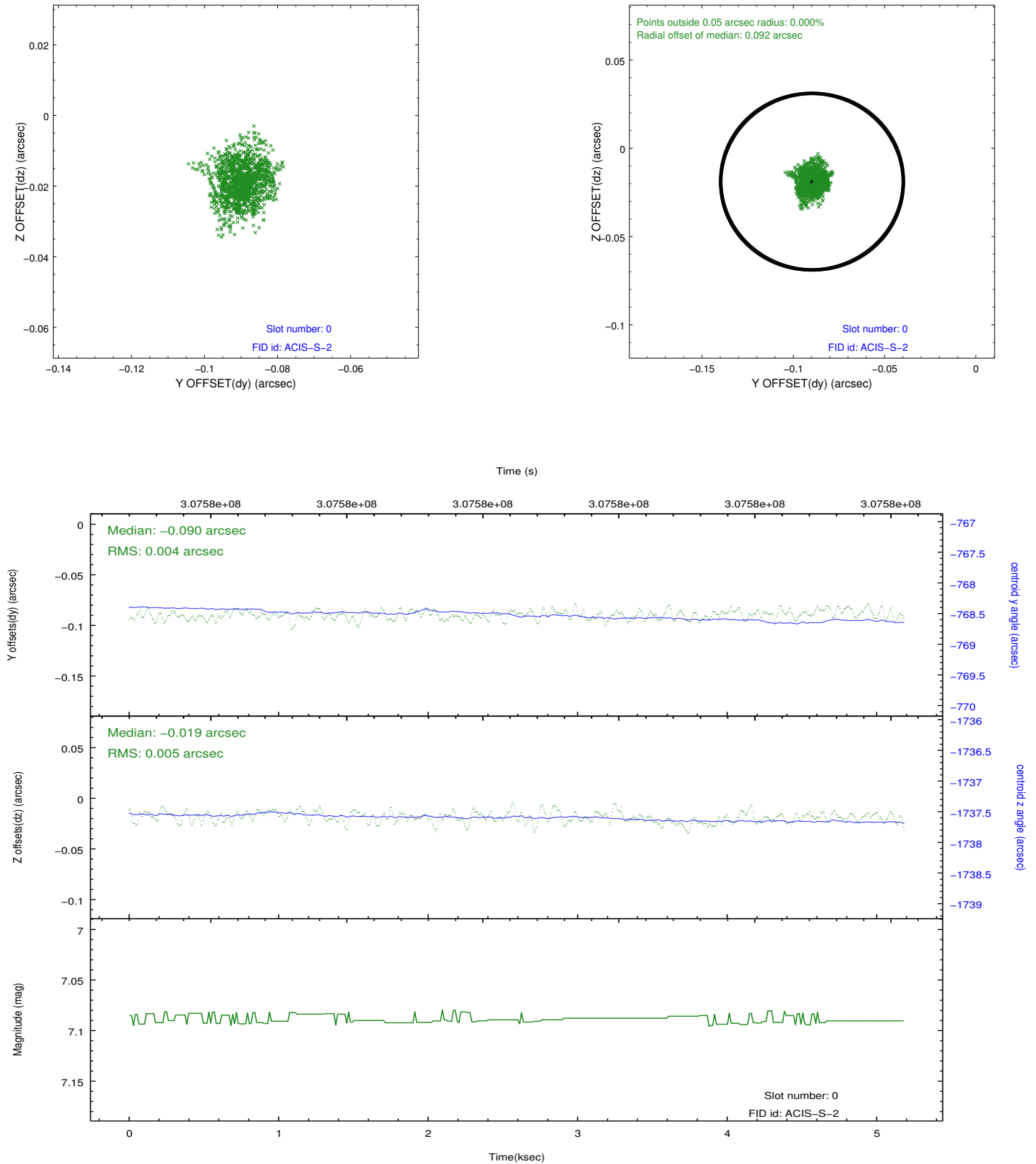


2.4.5 Slot 7

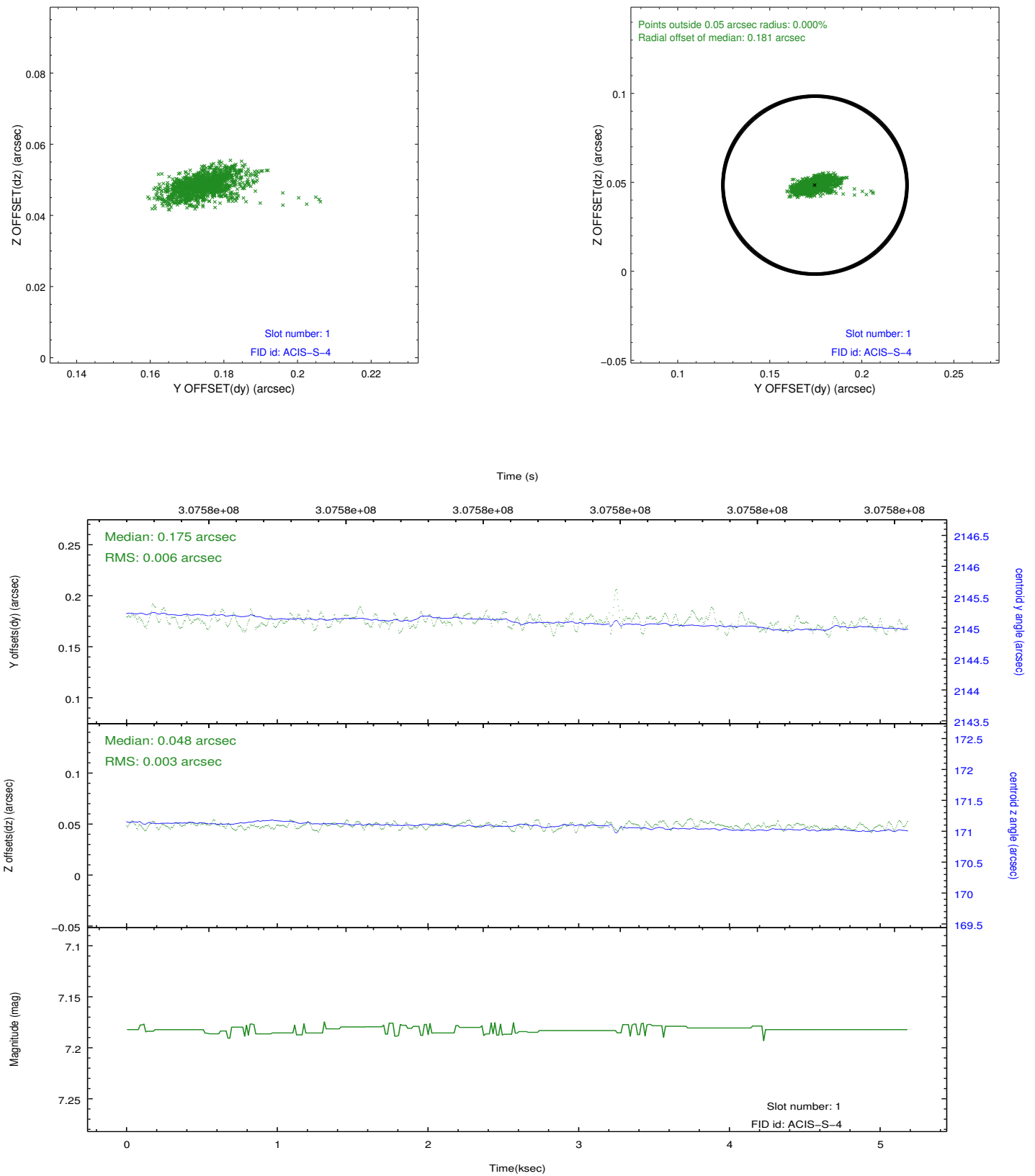


2.5 FID Slots

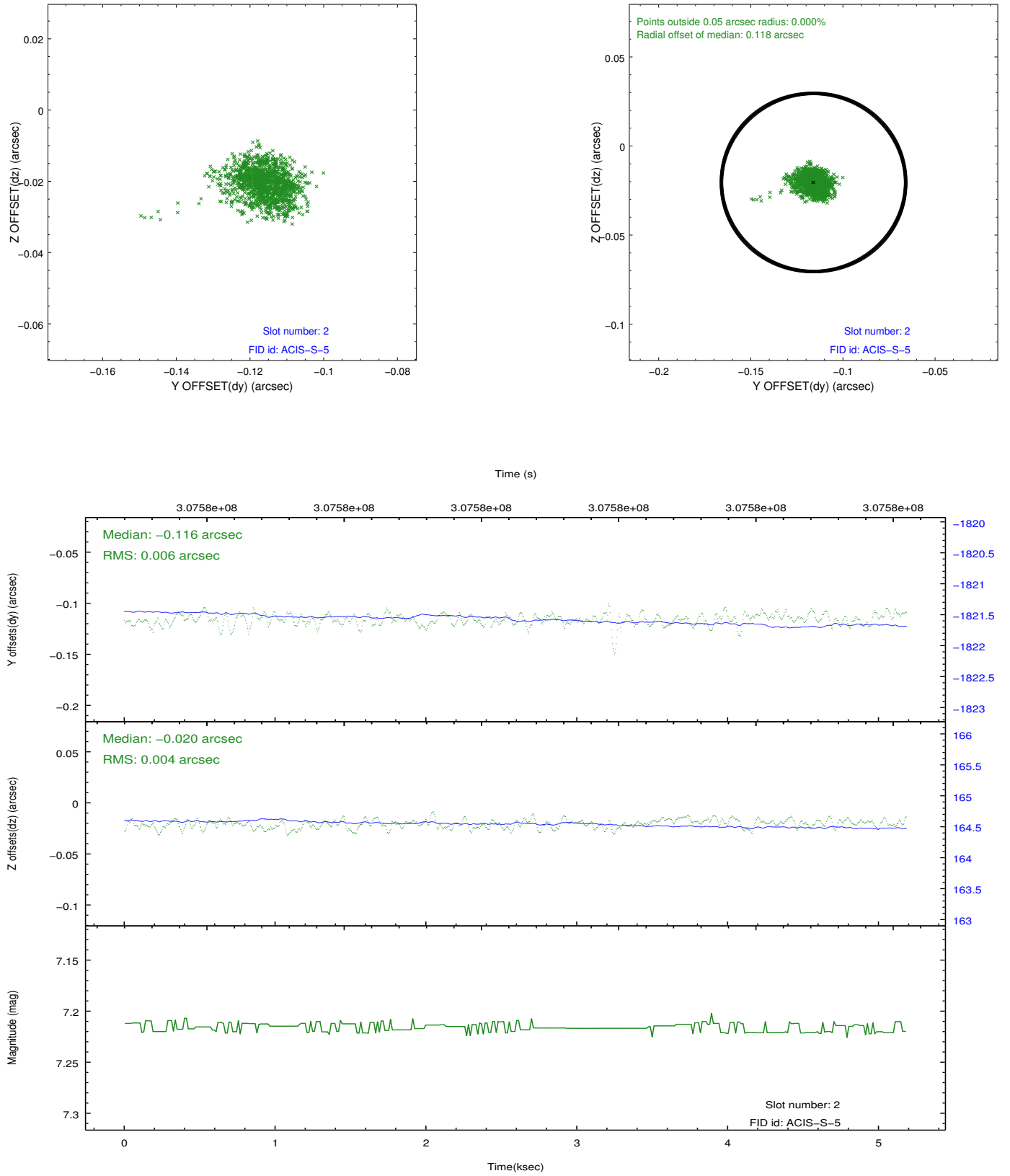
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.75199998

A.2 Comments