

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9055 - L2 Version 2
Chandra X-Ray Center

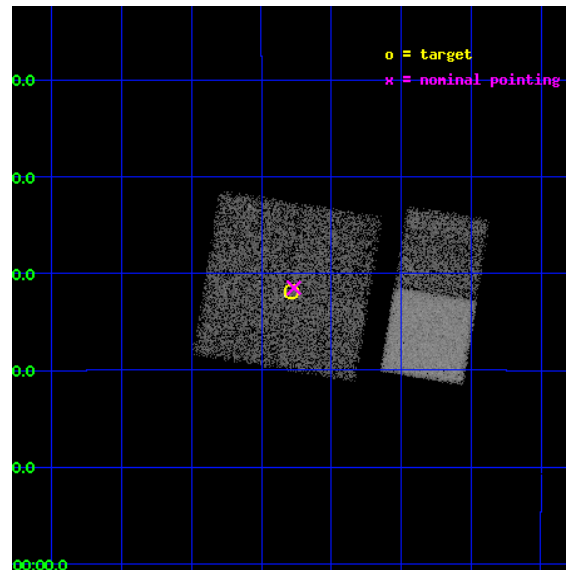
L2 Processing Date : May 13 2012

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

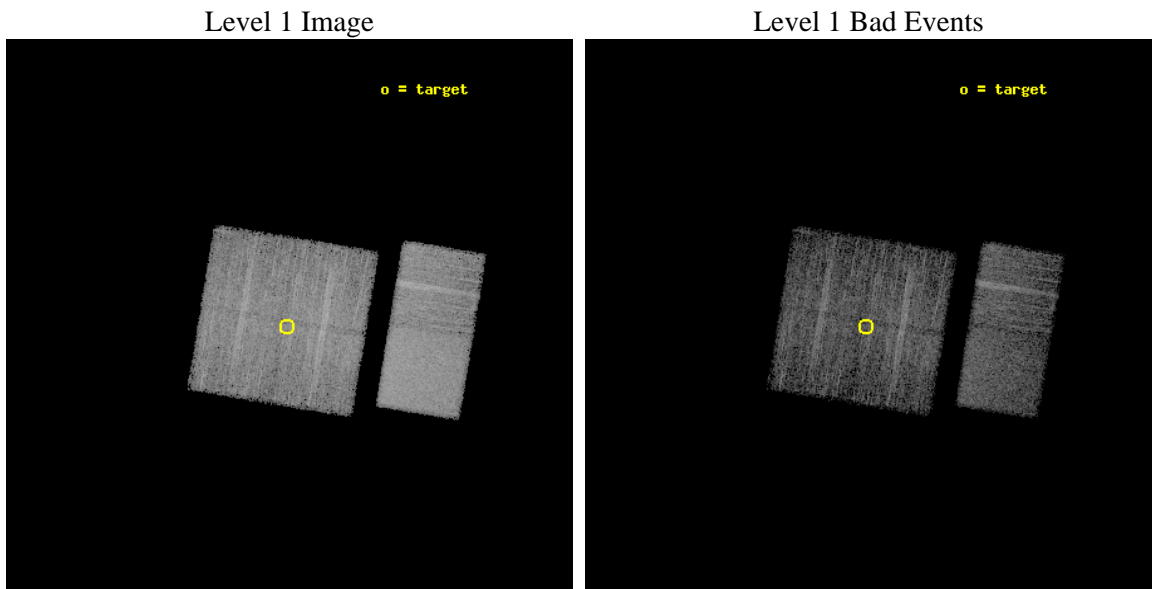
seq_num	400906	Sequence number
obs_id	9055	Observation id
title	Localization and Spectra of INTEGRAL-Selected Sources in the Galactic Plane	Proposal title
observer	Dr. John Tomsick	Principal investigator
object	IGR J18308-1232	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	277.695833	Observer's specified target RA [deg]
dec_targ	-12.531944	Observer's specified target Dec [deg]
ra_nom	277.69192362942	Nominal RA [deg]
dec_nom	-12.524937060462	Nominal Dec [deg]
roll_nom	99.376101696081	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4758.3999823332	Sum of GTIs [s]
livetime	4698.1462565924	Livetime [s]
ontime0	4758.3999823332	Sum of GTIs [s]
ontime1	4758.3999823332	Sum of GTIs [s]
ontime2	4758.3999823332	Sum of GTIs [s]
ontime3	4758.3999823332	Sum of GTIs [s]
ontime6	4758.3999823332	Sum of GTIs [s]
ontime7	4758.3999823332	Sum of GTIs [s]
l2events	52417	Number of level 2 events



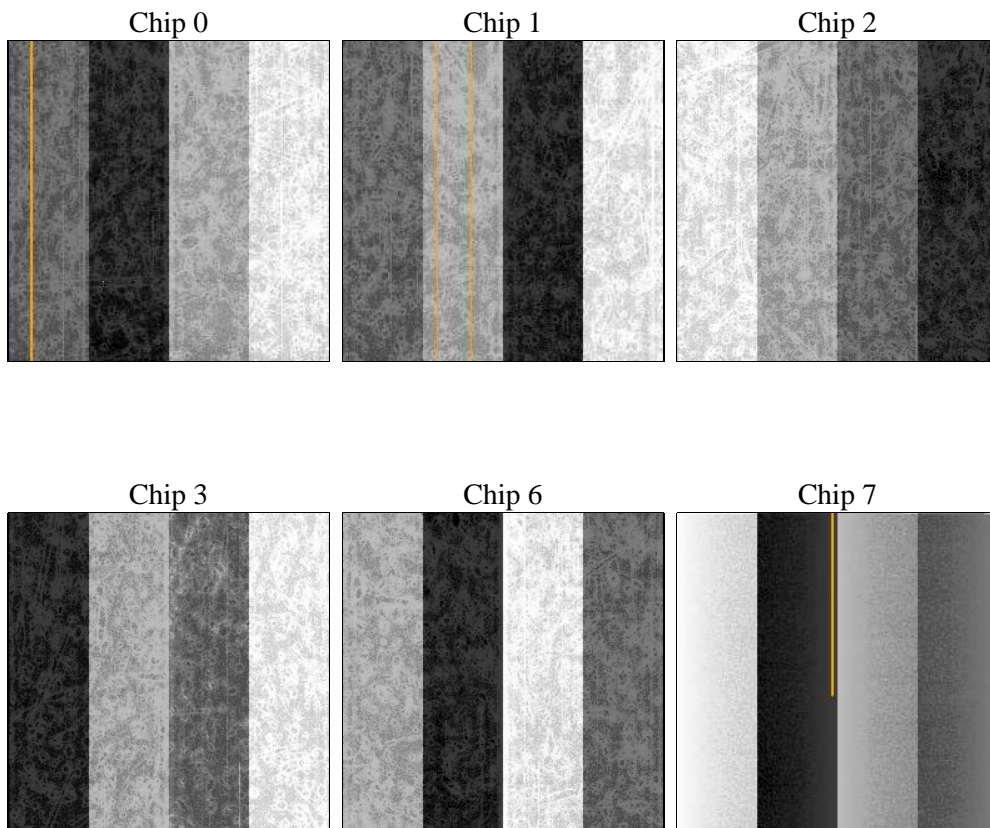
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4758.3999823332	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	4758.3999823332	Sum of GTIs [s]
date	2012-05-13T12:47:49	Date and time of file creation	ontime1	4758.3999823332	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4758.3999823332	Sum of GTIs [s]
			ontime3	4758.3999823332	Sum of GTIs [s]
			ontime6	4758.3999823332	Sum of GTIs [s]
			ontime7	4758.3999823332	Sum of GTIs [s]
			l1events	287920	Number of level 1 events

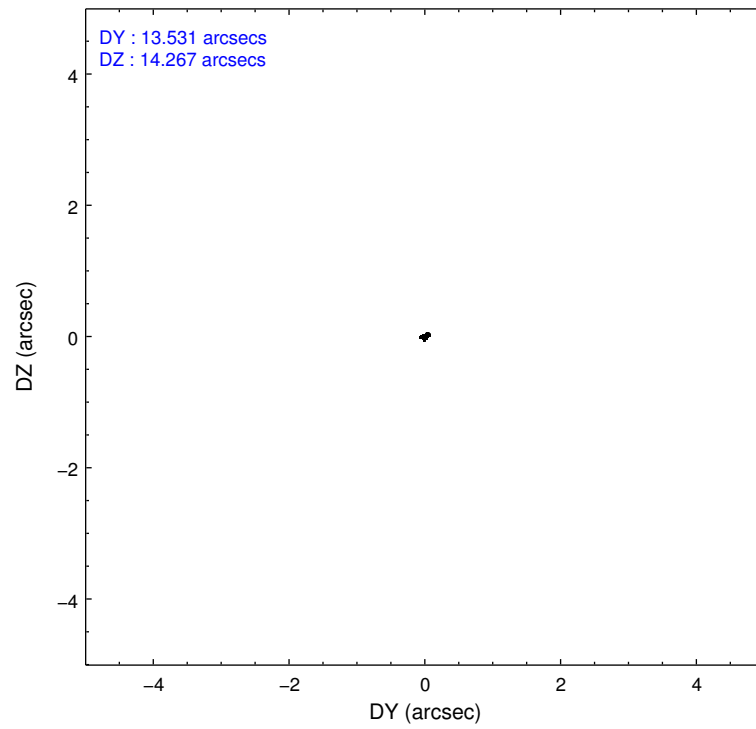
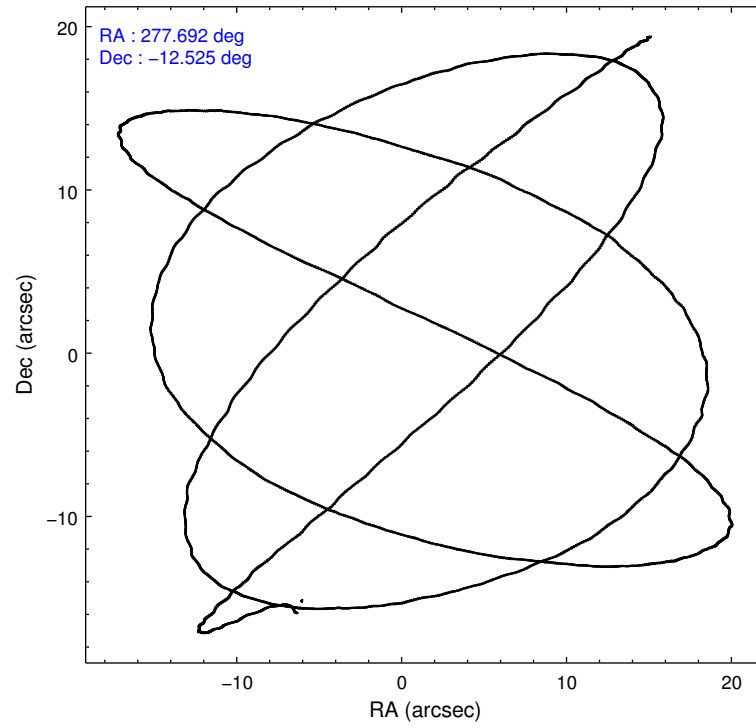
2.1.4 Events

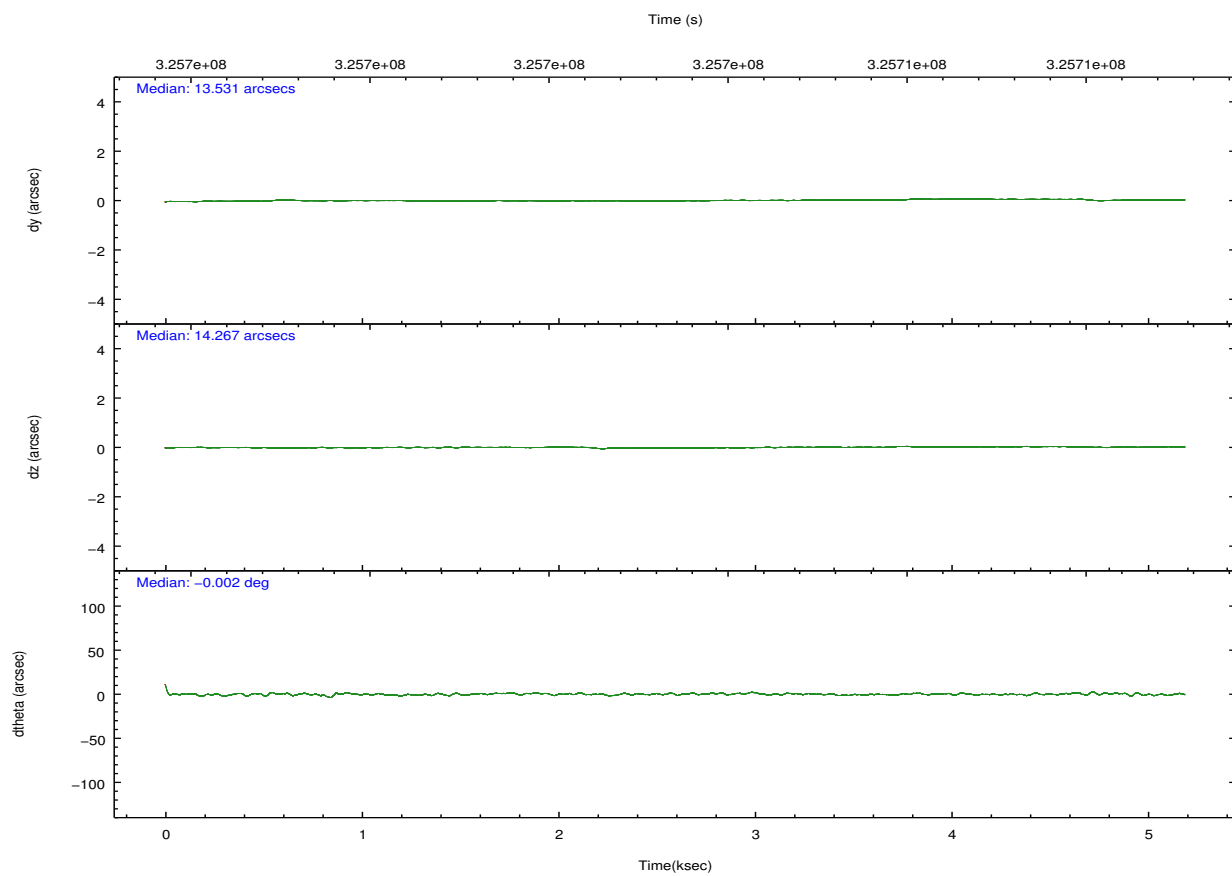
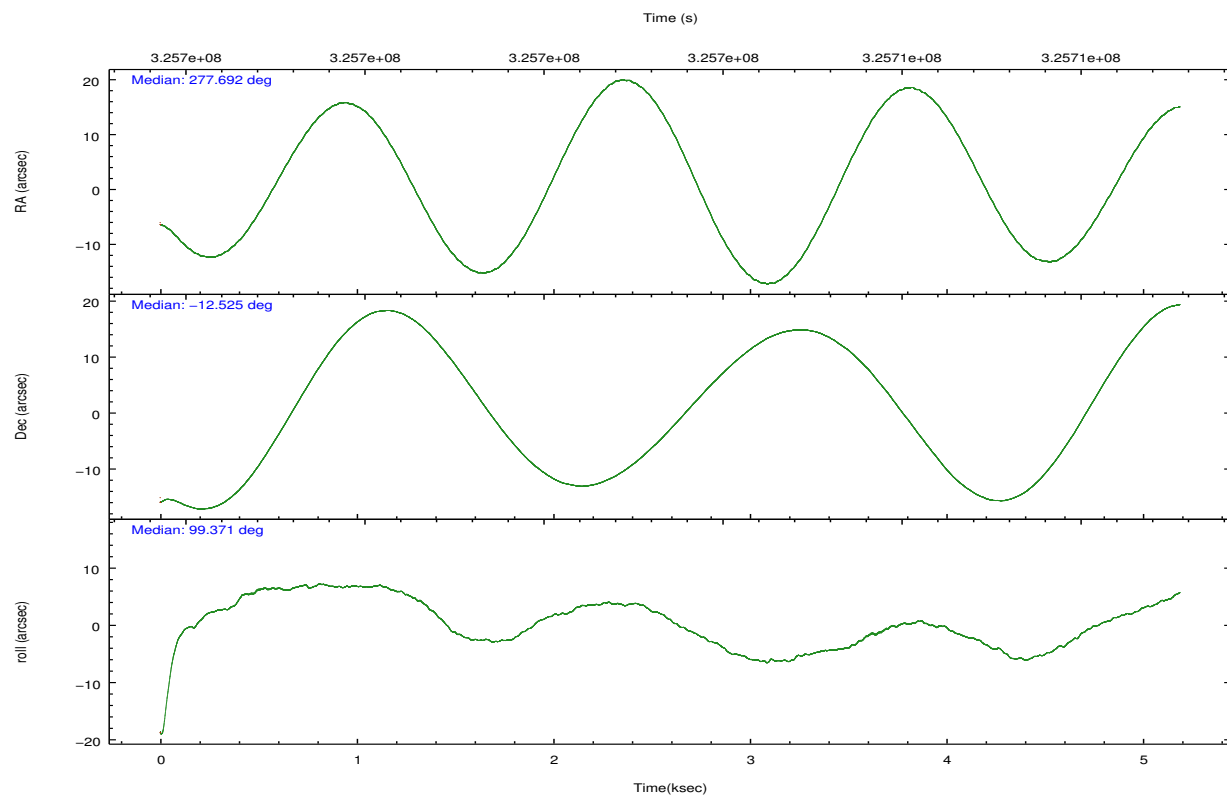
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	41032	43262	46908	44441	48079	64198	grade 0 events	2711	2798	2488	2608	2280	2255
rejected events	35082	36556	41216	38483	42240	37370		6%	6%	5%	5%	4%	3%
rejected %	85%	84%	87%	86%	87%	58%	grade 1 events	31	50	32	50	31	71
								0%	0%	0%	0%	0%	0%
							grade 2 events	1233	1515	1232	1236	1280	5654
								3%	3%	2%	2%	2%	8%
							grade 3 events	542	589	545	521	520	2308
								1%	1%	1%	1%	1%	3%
							grade 4 events	507	571	525	540	537	2273
								1%	1%	1%	1%	1%	3%
							grade 5 events	1867	2012	1783	2126	2275	6019
								4%	4%	3%	4%	4%	9%
							grade 6 events	963	1239	913	1063	1229	14393
								2%	2%	1%	2%	2%	22%
							grade 7 events	33178	34488	39390	36297	39927	31225
								80%	79%	83%	81%	83%	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	277.710072	277.6919236294204	CCD I2 on	Y	Y
[deg] Pointing Dec	-12.545909	-12.52493706046249	CCD I3 on	Y	Y
[deg] Pointing Roll	99.171404	99.37610169608071	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O2	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	325702297.184000	325701681.08437	CCD S5 on	N	N
Observation start date	2008-04-27T16:50:32	2008-04-27T16:41:21	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	325707297.184000	325707805.97217	On-chip summing requested	N	N
Observation end date	2008-04-27T18:13:52	2008-04-27T18:23:25	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



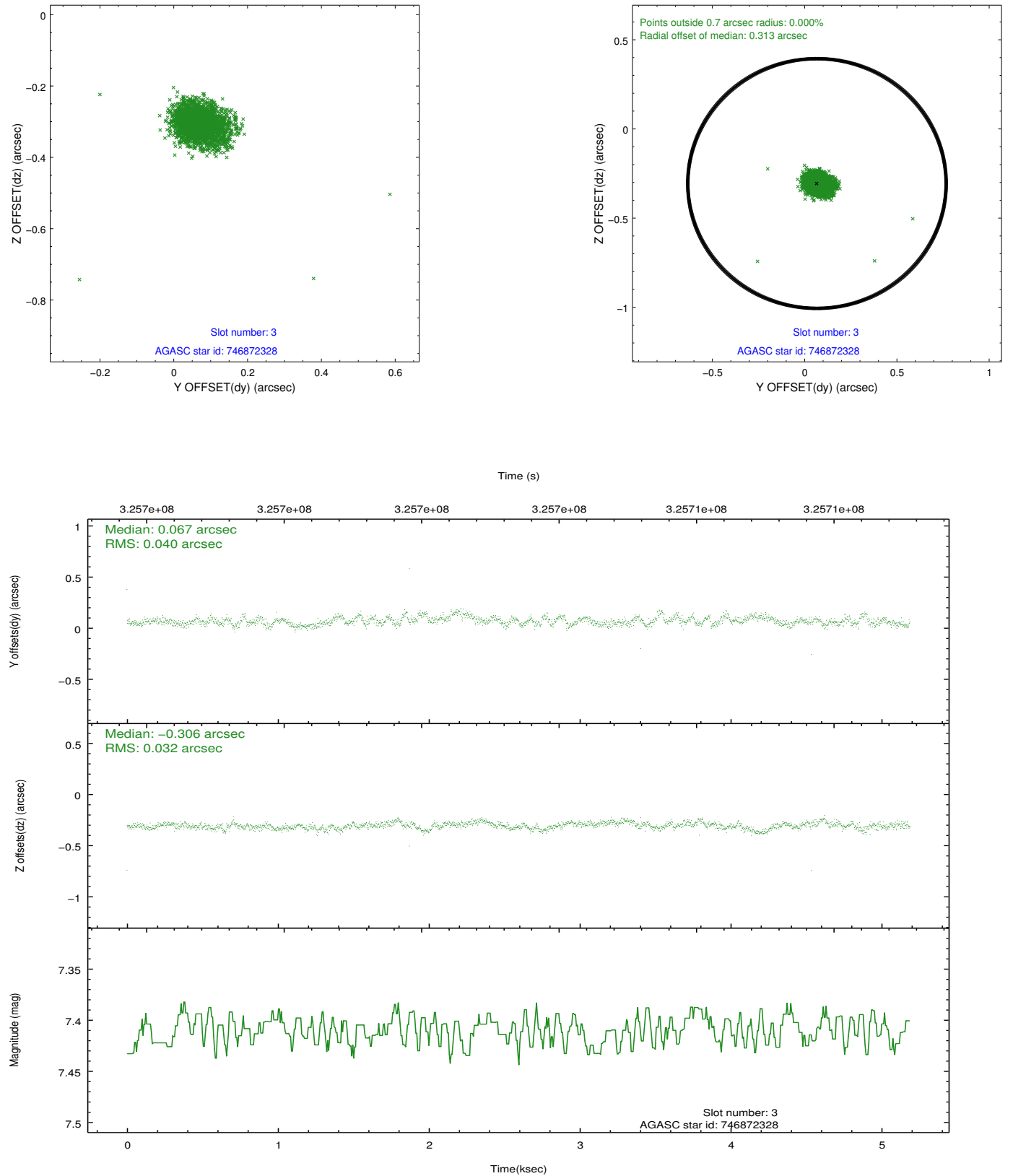


Slot Statistics

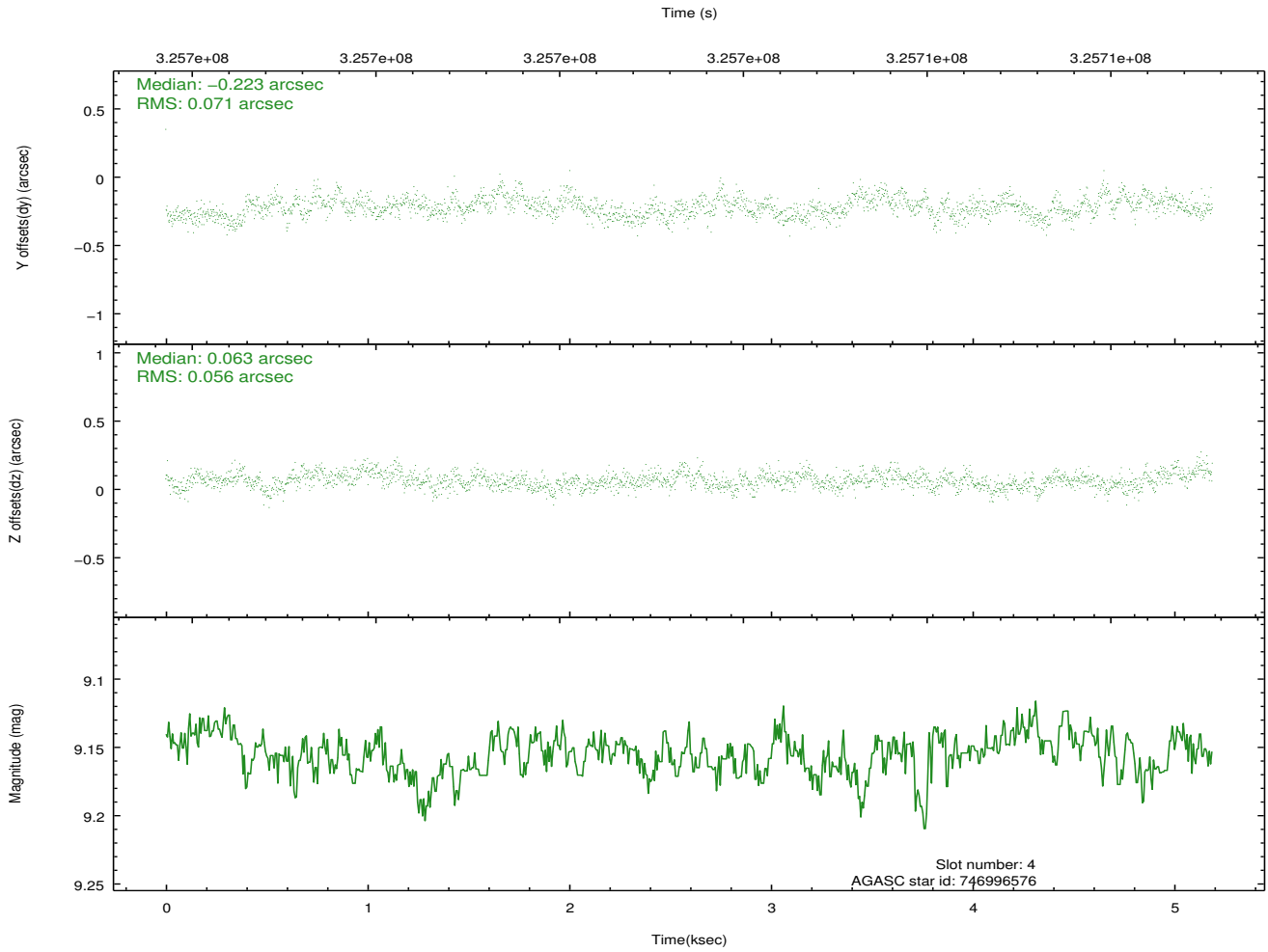
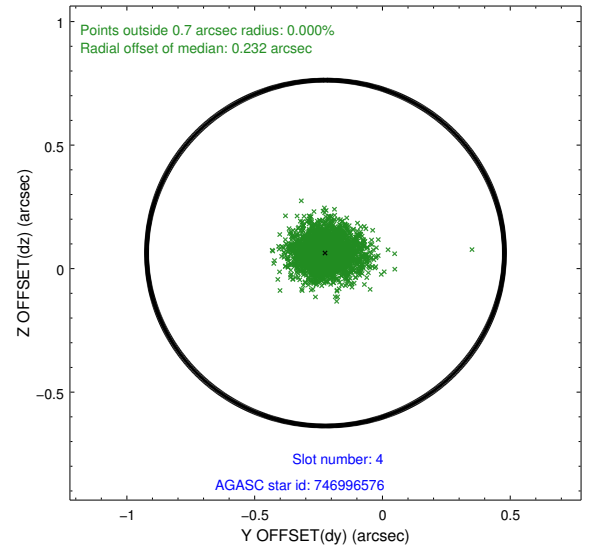
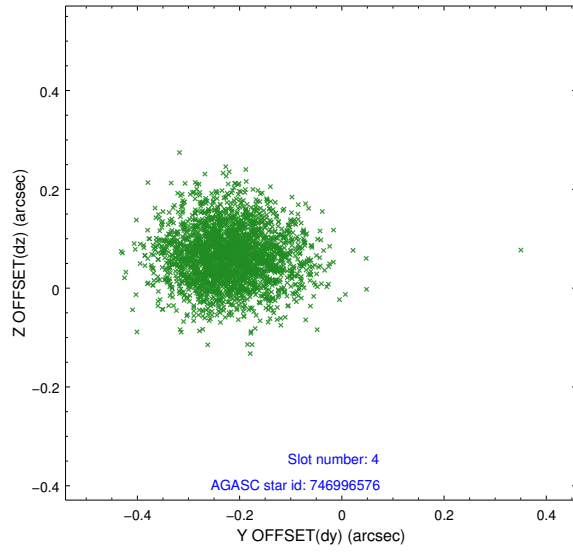
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	1265	-0.045	0.081	0.008	0.014	0.000000	0.000000	925.91	-837.77
1	FID	ACIS-I-2	6.96	1266	-0.150	-0.089	0.006	0.010	0.000000	0.000000	-767.64	-844.95
2	FID	ACIS-I-4	6.96	1266	0.096	0.076	0.006	0.011	0.000000	0.000000	2145.42	1061.43
3	GUIDE	746872328	7.41	2532	0.067	-0.306	0.049	0.085	277.222974	-12.960160	-1200.66	1924.03
4	GUIDE	746996576	9.15	2529	-0.223	0.063	0.095	0.157	277.796322	-11.890255	2281.85	-675.84
5	GUIDE	747012512	7.69	2532	-0.250	0.091	0.060	0.100	277.858924	-12.020749	1782.89	-818.94
6	GUIDE	747028080	8.70	2531	0.133	0.104	0.074	0.120	277.862767	-12.591819	-246.88	-504.03
7	GUIDE	746892056	9.37	2529	0.268	0.050	0.090	0.150	277.655456	-13.119728	-2007.82	517.41

2.4 Star Slots

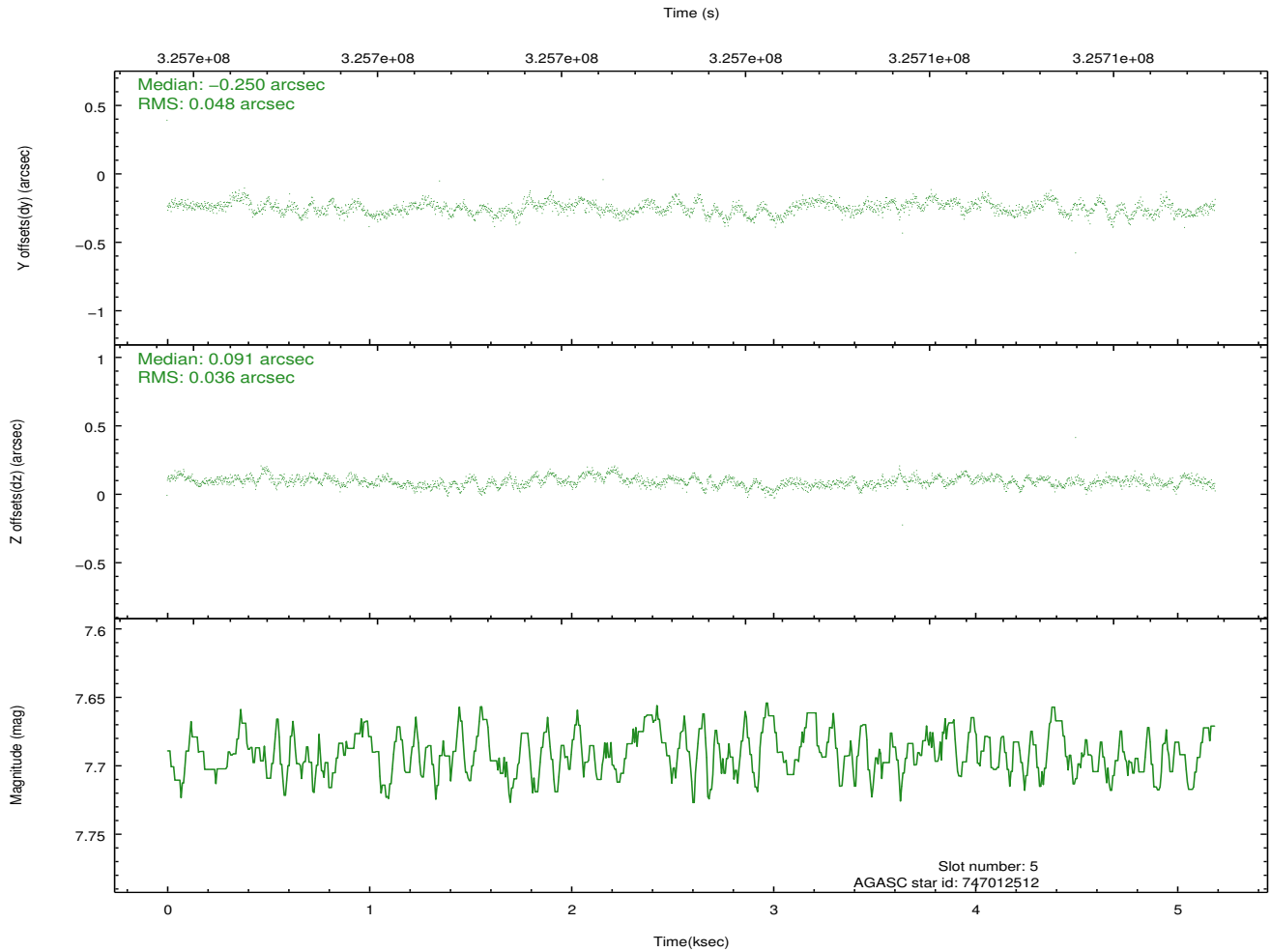
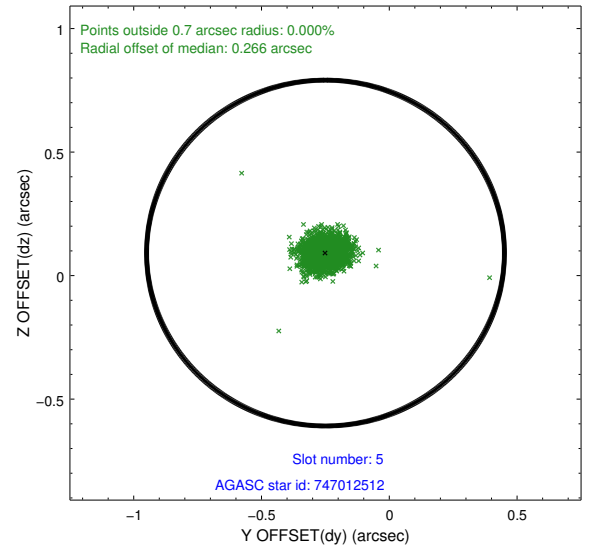
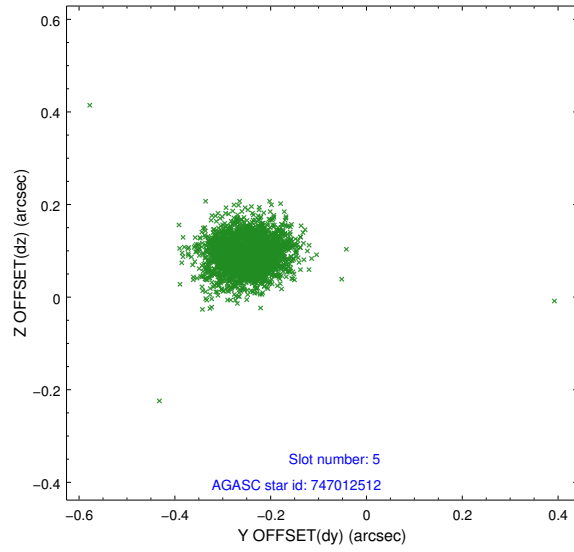
2.4.1 Slot 3



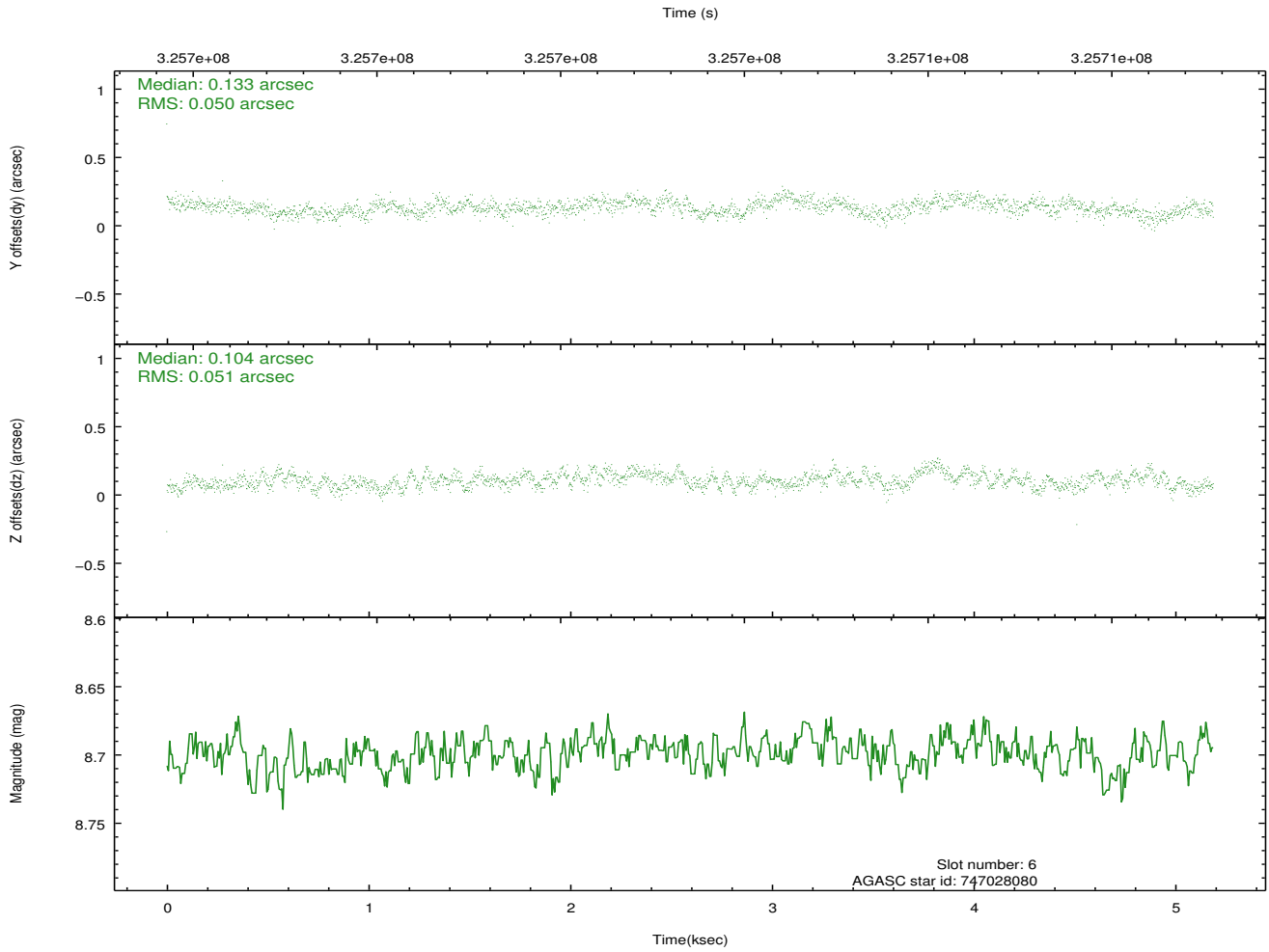
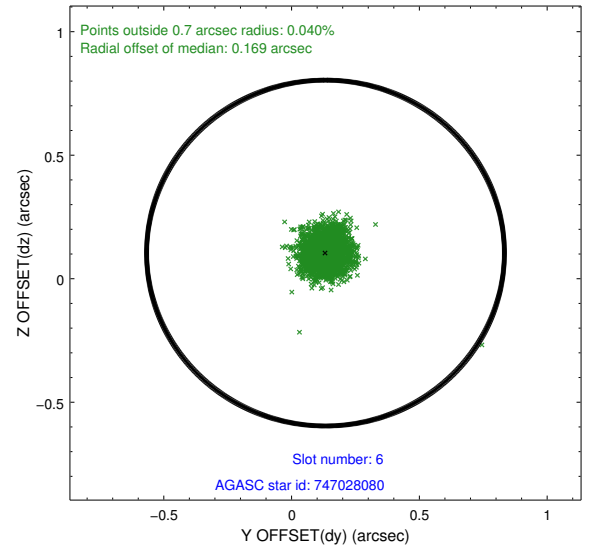
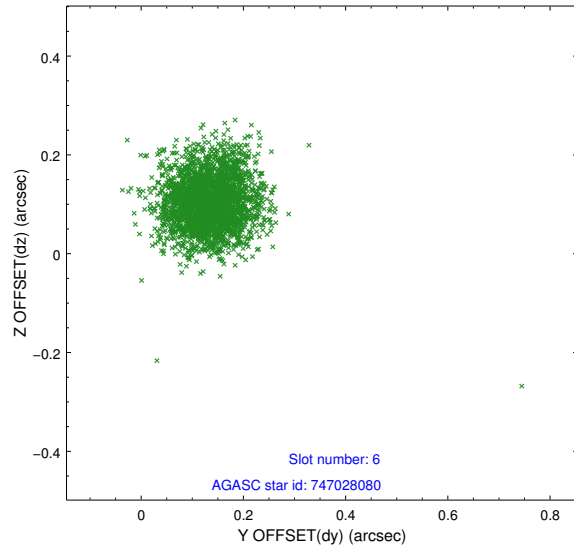
2.4.2 Slot 4



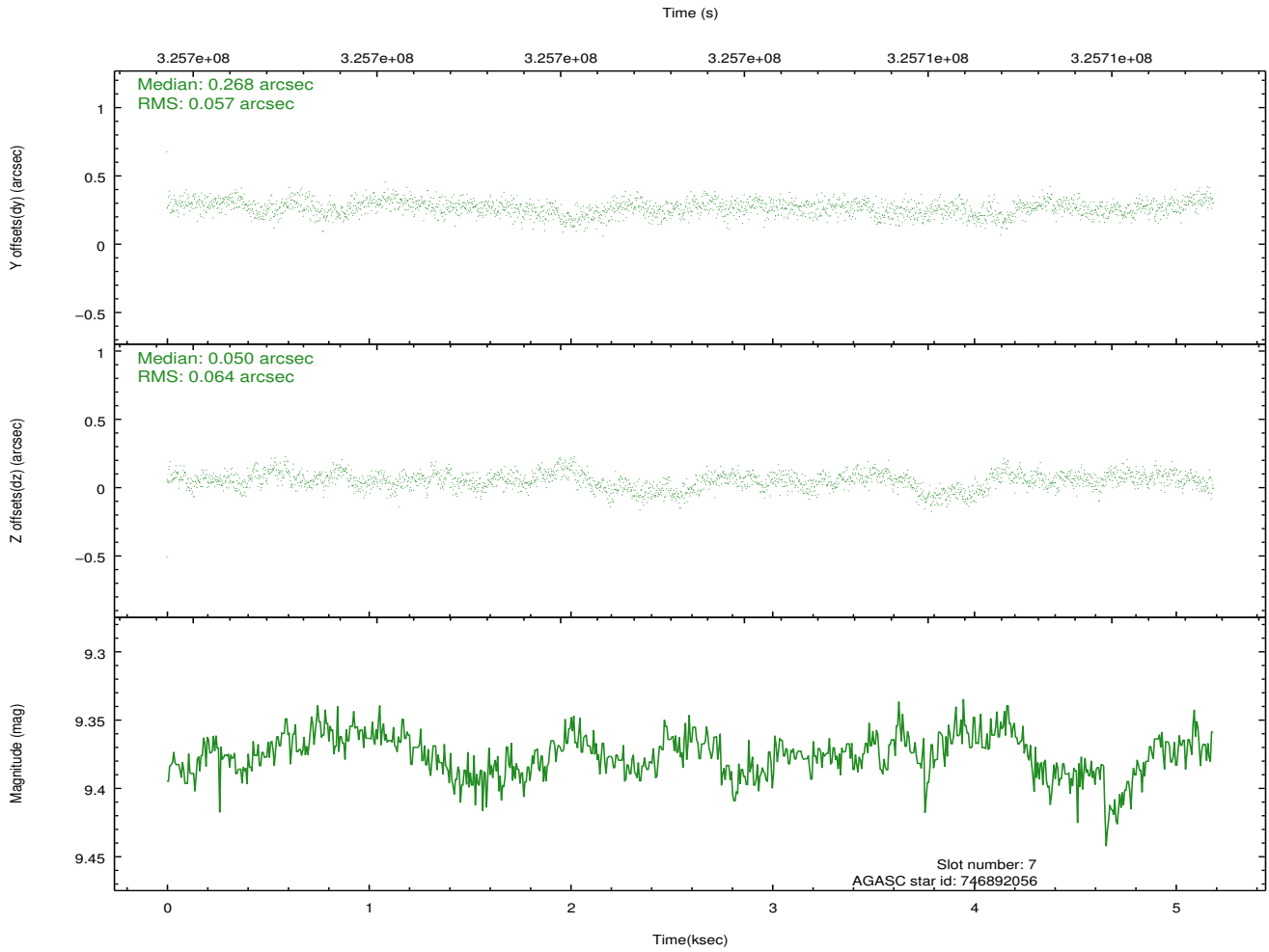
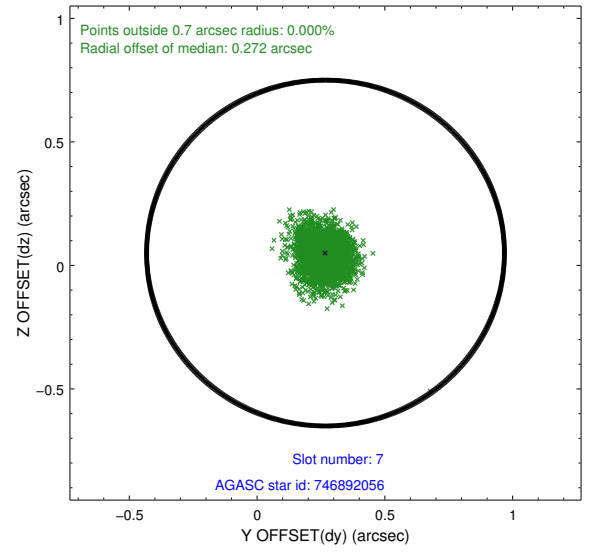
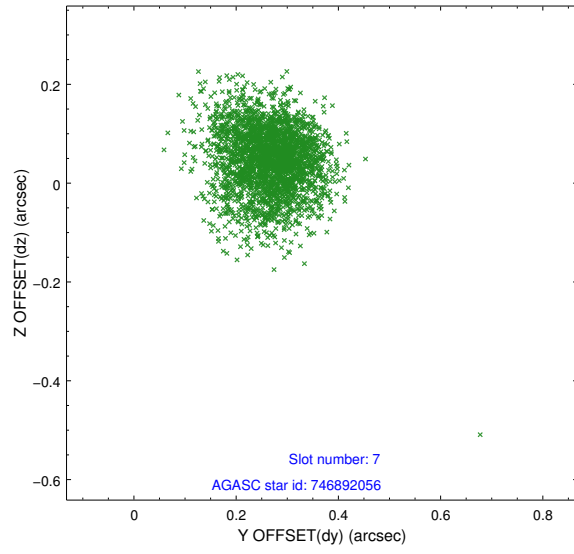
2.4.3 Slot 5



2.4.4 Slot 6

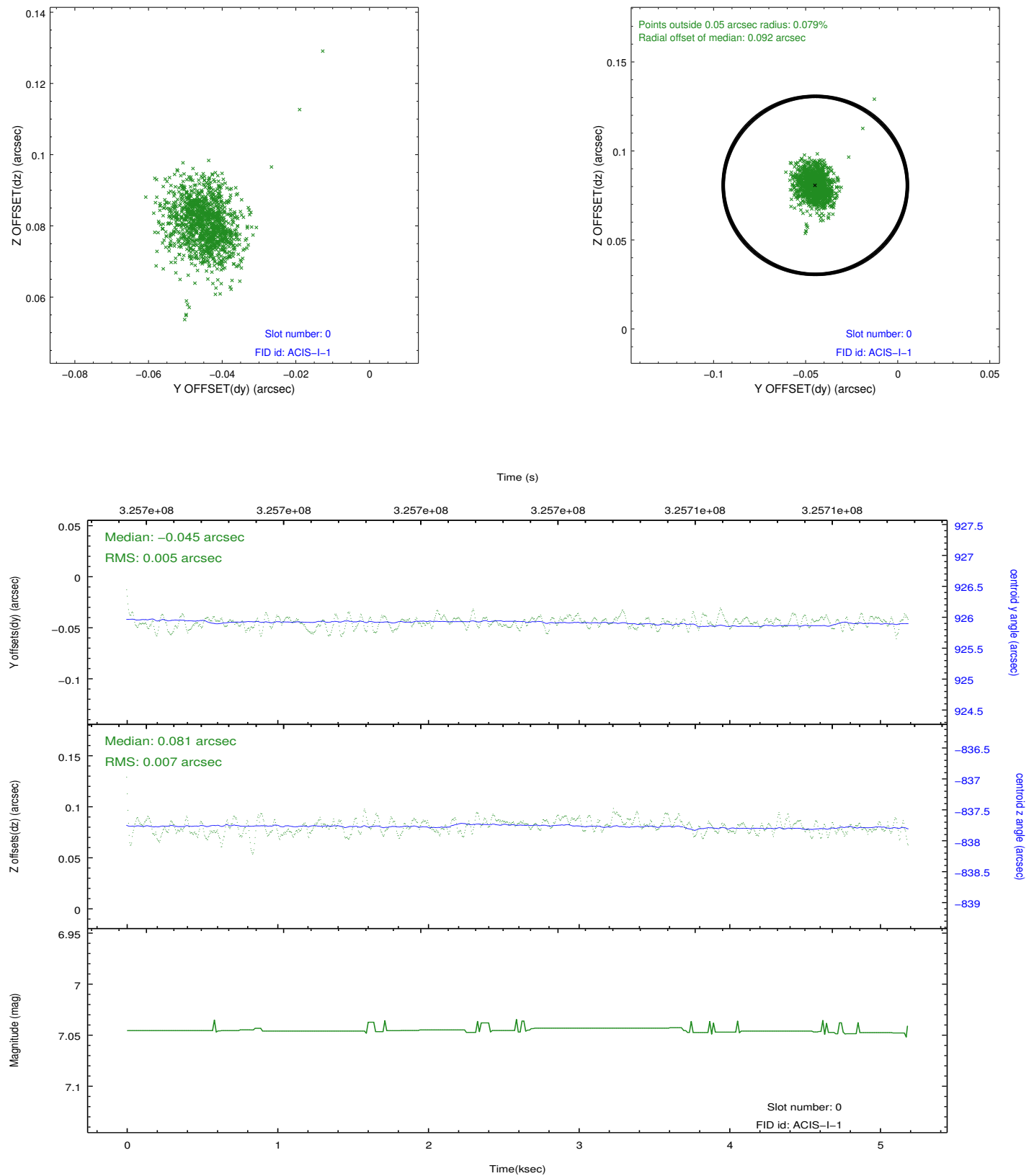


2.4.5 Slot 7

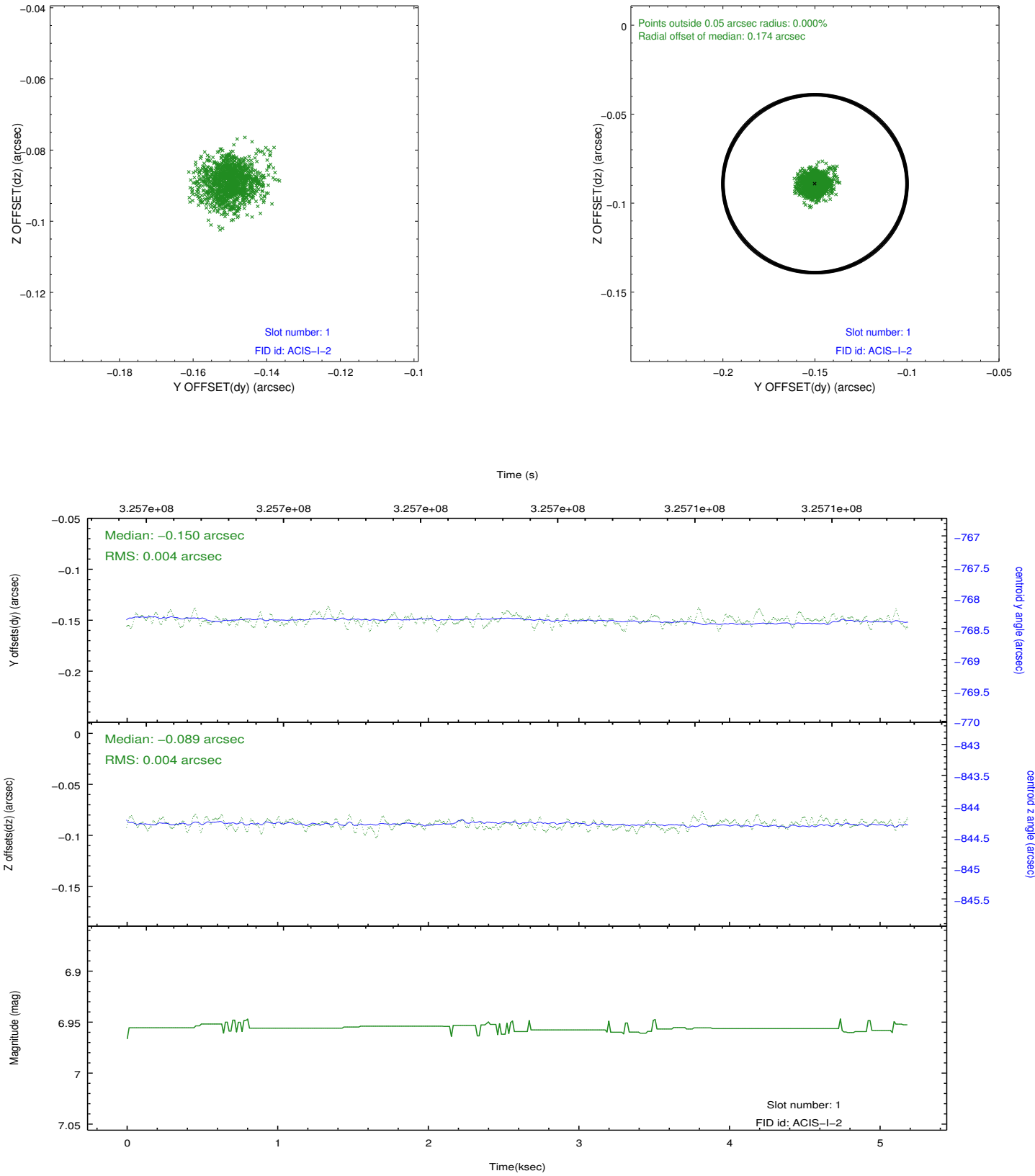


2.5 FID Slots

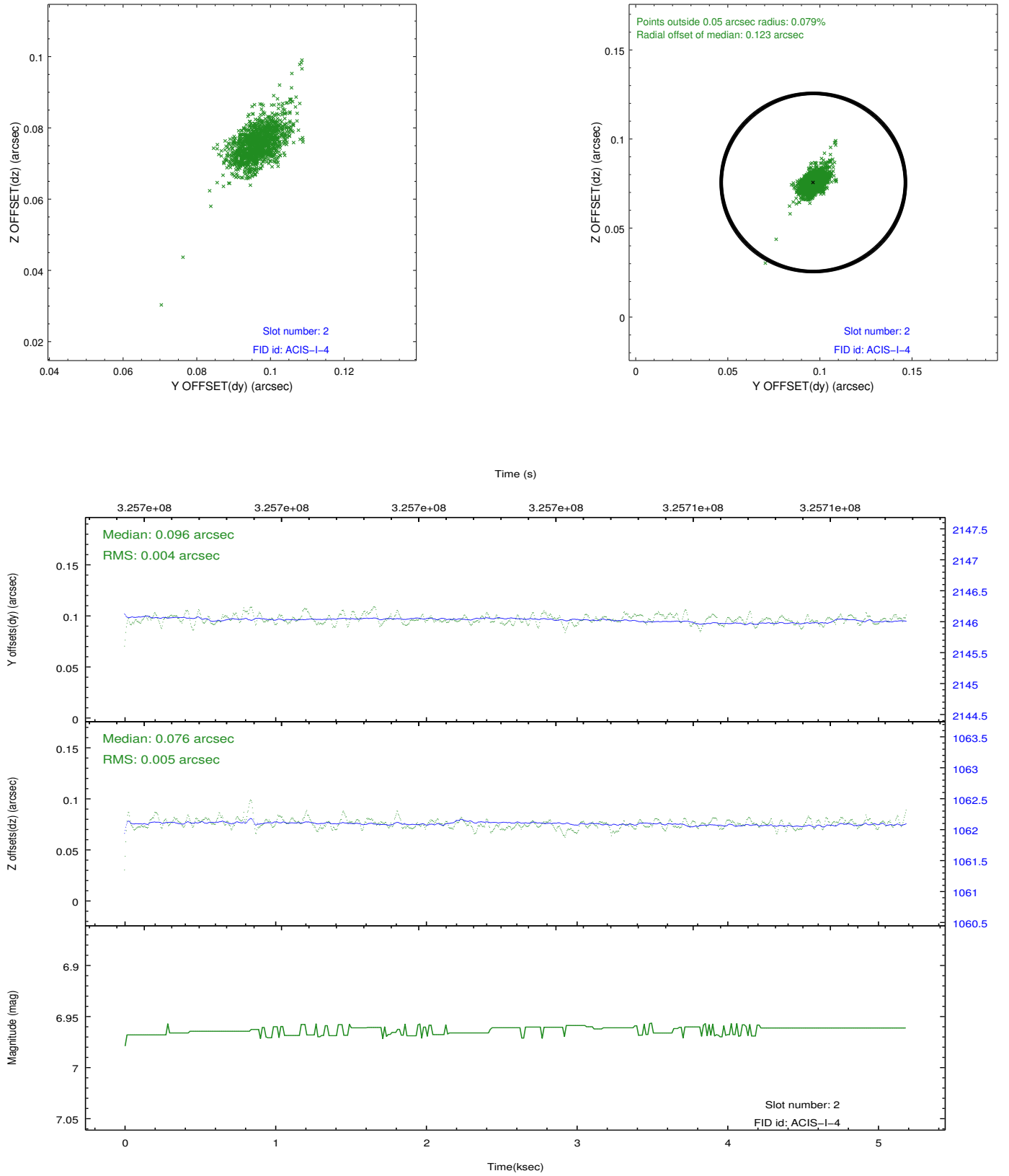
2.5.1 Slot 0



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)	2012.05.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.75839998

A.2 Comments

Joint proposal with NOAO.