

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11236 - L2 Version 2
Chandra X-Ray Center

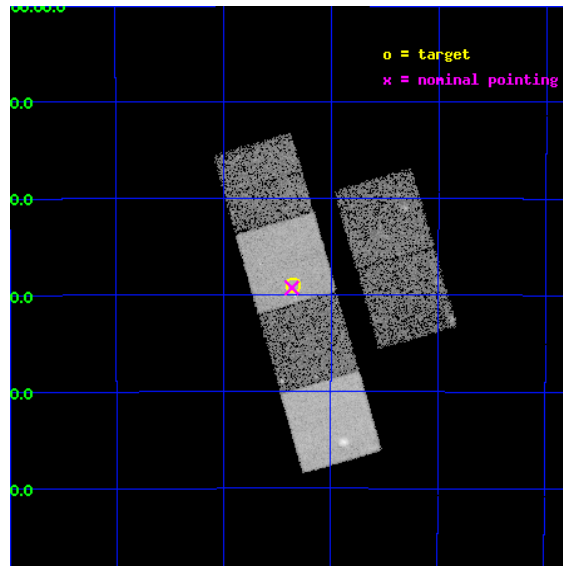
L2 Processing Date : Jun 20 2012

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

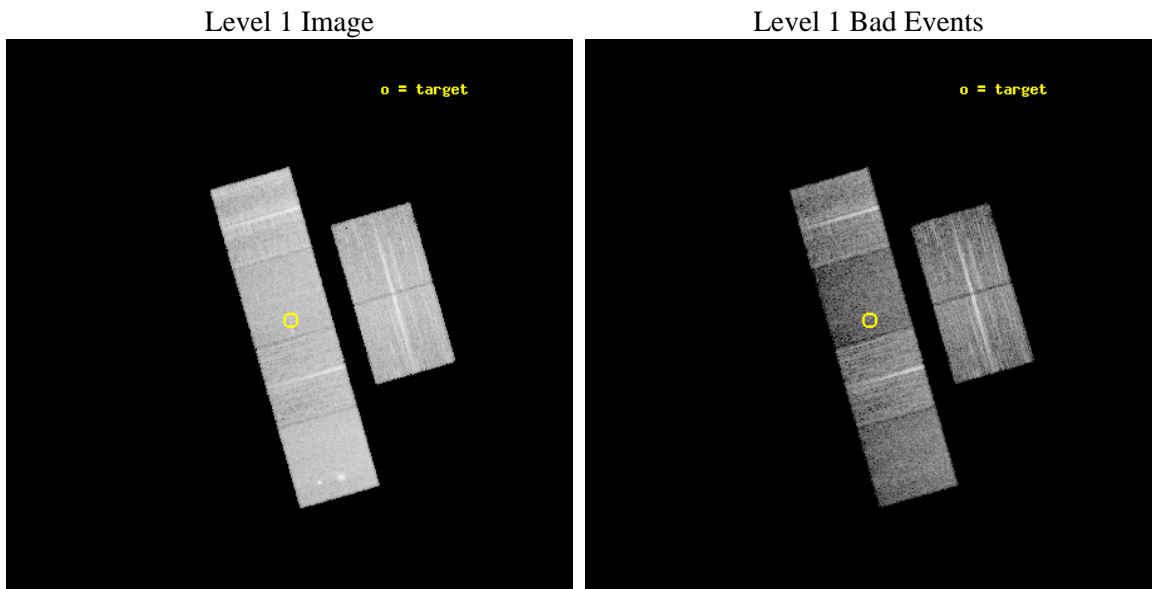
seq_num	501321	Sequence number
obs_id	11236	Observation id
title	Chandra Observations of New X-ray Supernovae	Proposal title
observer	Prof. David Pooley	Principal investigator
object	SN 2009mk	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	1.589042	Observer's specified target RA [deg]
dec_targ	-41.483278	Observer's specified target Dec [deg]
ra_nom	1.5907937037403	Nominal RA [deg]
dec_nom	-41.487968435893	Nominal Dec [deg]
roll_nom	253.97084301088	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10041.599962652	Sum of GTIs [s]
livetime	9914.447177599	Livetime [s]
ontime2	10041.599962652	Sum of GTIs [s]
ontime3	10041.535734415	Sum of GTIs [s]
ontime5	10041.599962652	Sum of GTIs [s]
ontime6	10041.576774418	Sum of GTIs [s]
ontime7	10041.599962652	Sum of GTIs [s]
ontime8	10041.494694412	Sum of GTIs [s]
l2events	119090	Number of level 2 events



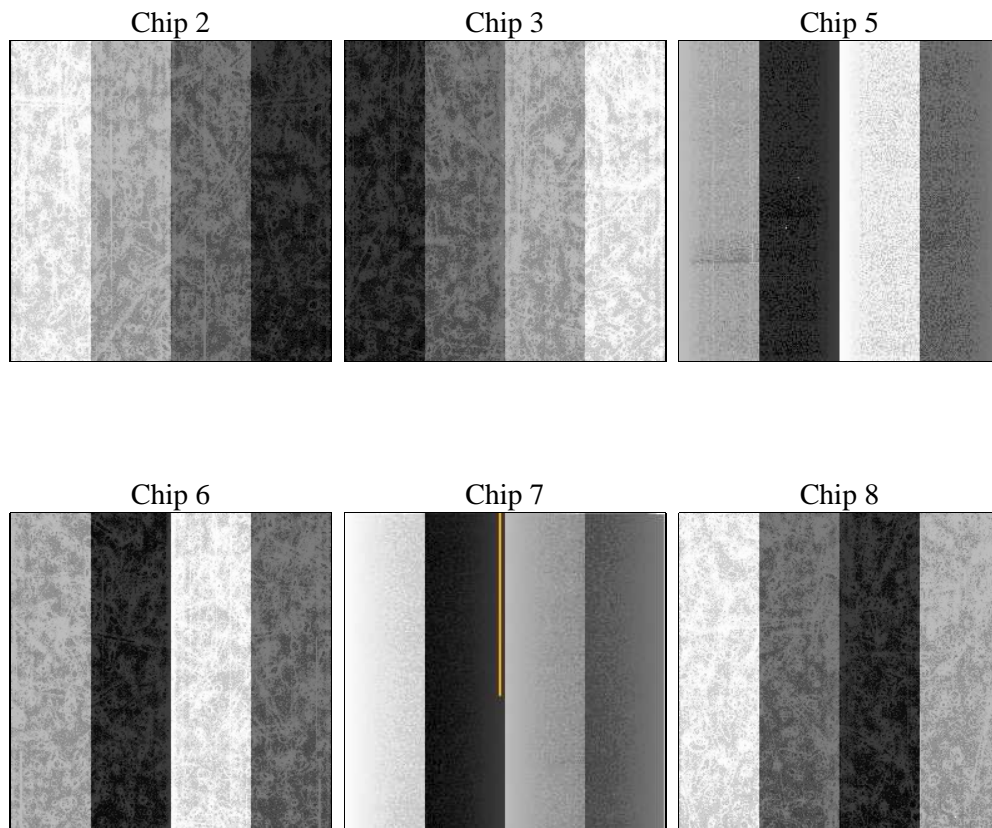
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10041.599962652	Sum of GTIs [s]
caldbver	4.4.10	 	ontime2	10041.599962652	Sum of GTIs [s]
date	2012-06-20T13:28:39	Date and time of file creation	ontime3	10041.535734415	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	10041.599962652	Sum of GTIs [s]
			ontime6	10041.576774418	Sum of GTIs [s]
			ontime7	10041.599962652	Sum of GTIs [s]
			ontime8	10041.494694412	Sum of GTIs [s]
			l1events	525309	Number of level 1 events

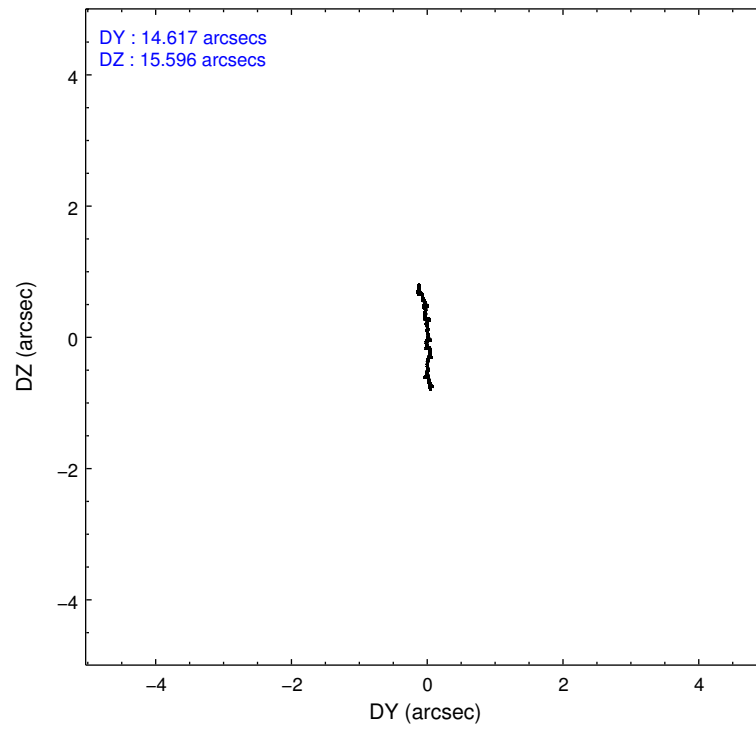
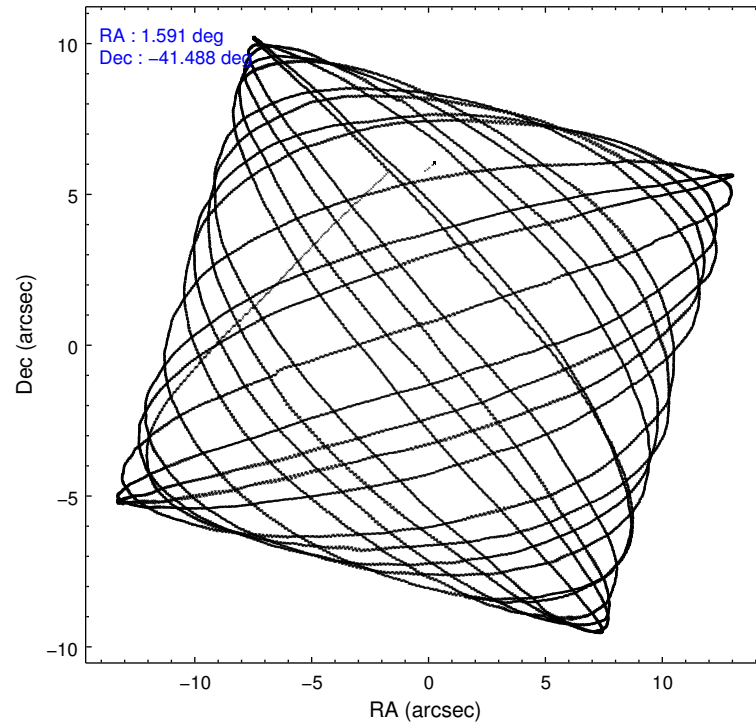
2.1.4 Events

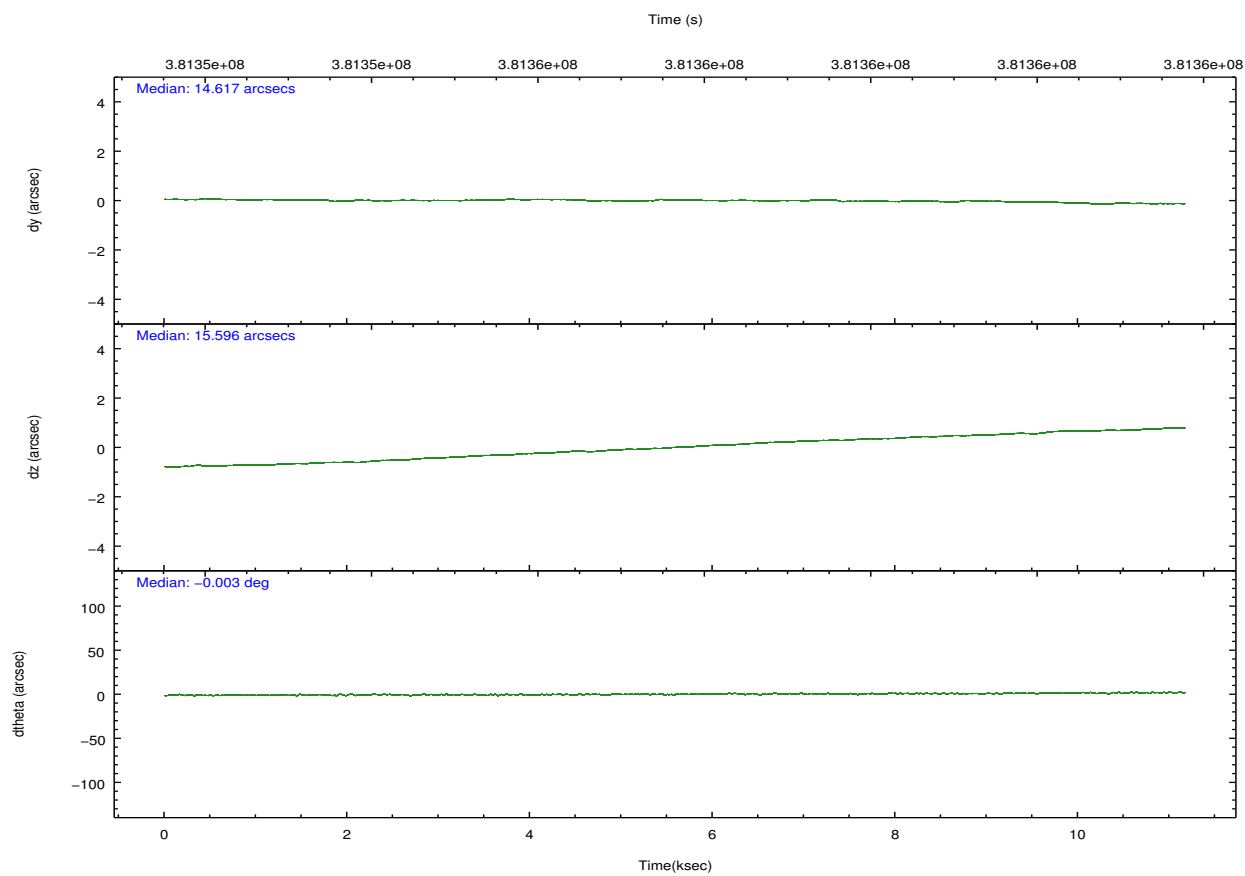
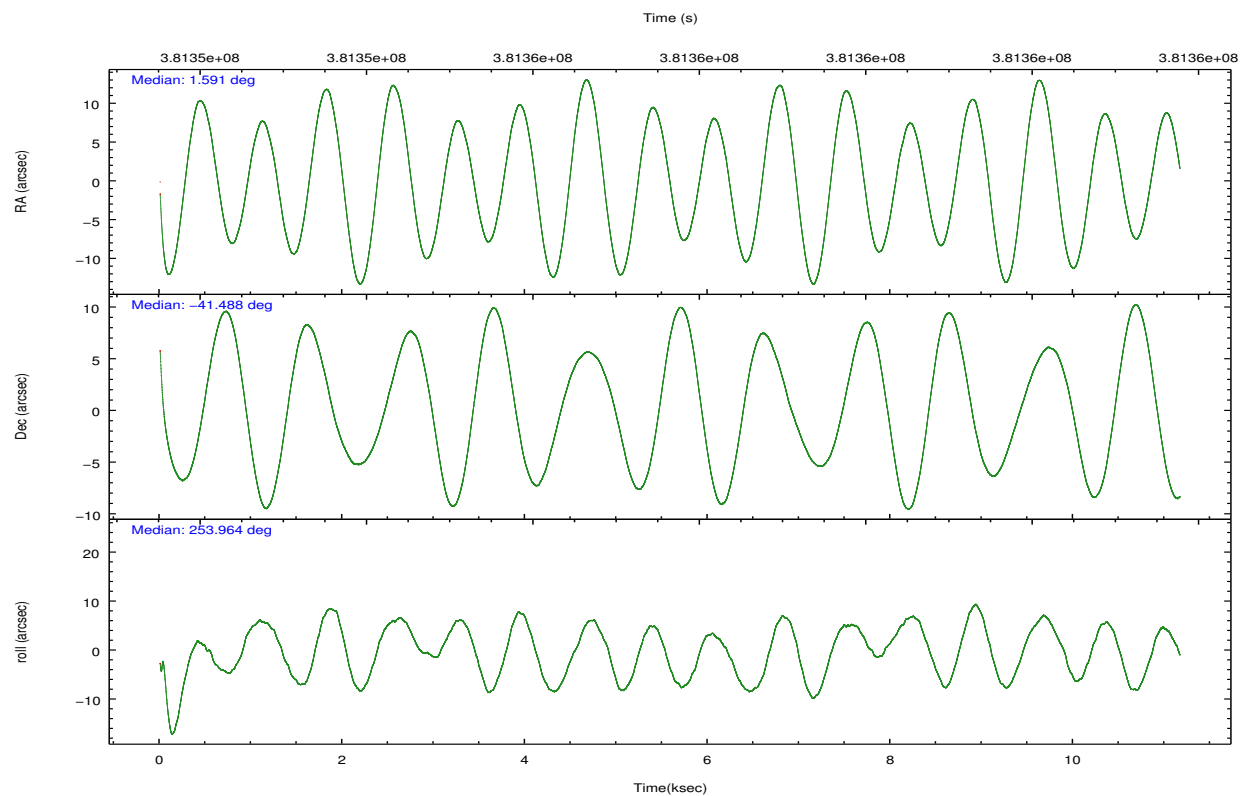
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	86573	77000	103827	80886	78937	98086	grade 0 events	2969	2973	5148	3190	4011	7236
rejected events	78518	69238	49032	72353	40013	72307		3%	3%	4%	3%	5%	7%
rejected %	90%	89%	47%	89%	50%	73%	grade 1 events	48	57	208	47	118	94
								0%	0%	0%	0%	0%	0%
							grade 2 events	2017	1662	16873	1874	8250	6149
								2%	2%	16%	2%	10%	6%
							grade 3 events	827	843	2547	874	3615	2950
								0%	1%	2%	1%	4%	3%
							grade 4 events	828	867	2386	881	3500	2642
								0%	1%	2%	1%	4%	2%
							grade 5 events	2451	2844	8120	2819	8345	4215
								2%	3%	7%	3%	10%	4%
							grade 6 events	1422	1424	27874	1715	19578	6831
								1%	1%	26%	2%	24%	6%
							grade 7 events	76011	66330	40671	69486	31520	67969
								87%	86%	39%	85%	39%	69%

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	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	1.581496	1.590793703740331	CCD I2 on	O1	Y
[deg] Pointing Dec	-41.461501	-41.4879684358931	CCD I3 on	O2	Y
[deg] Pointing Roll	253.808062	253.9708430108836	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	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)	381353241.184000	381350922.12129	CCD S5 on	N	N
Observation start date	2010-01-31T19:26:15	2010-01-31T18:48:42	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	381363241.184000	381364044.17196	On-chip summing requested	N	N
Observation end date	2010-01-31T22:12:55	2010-01-31T22:27:24	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



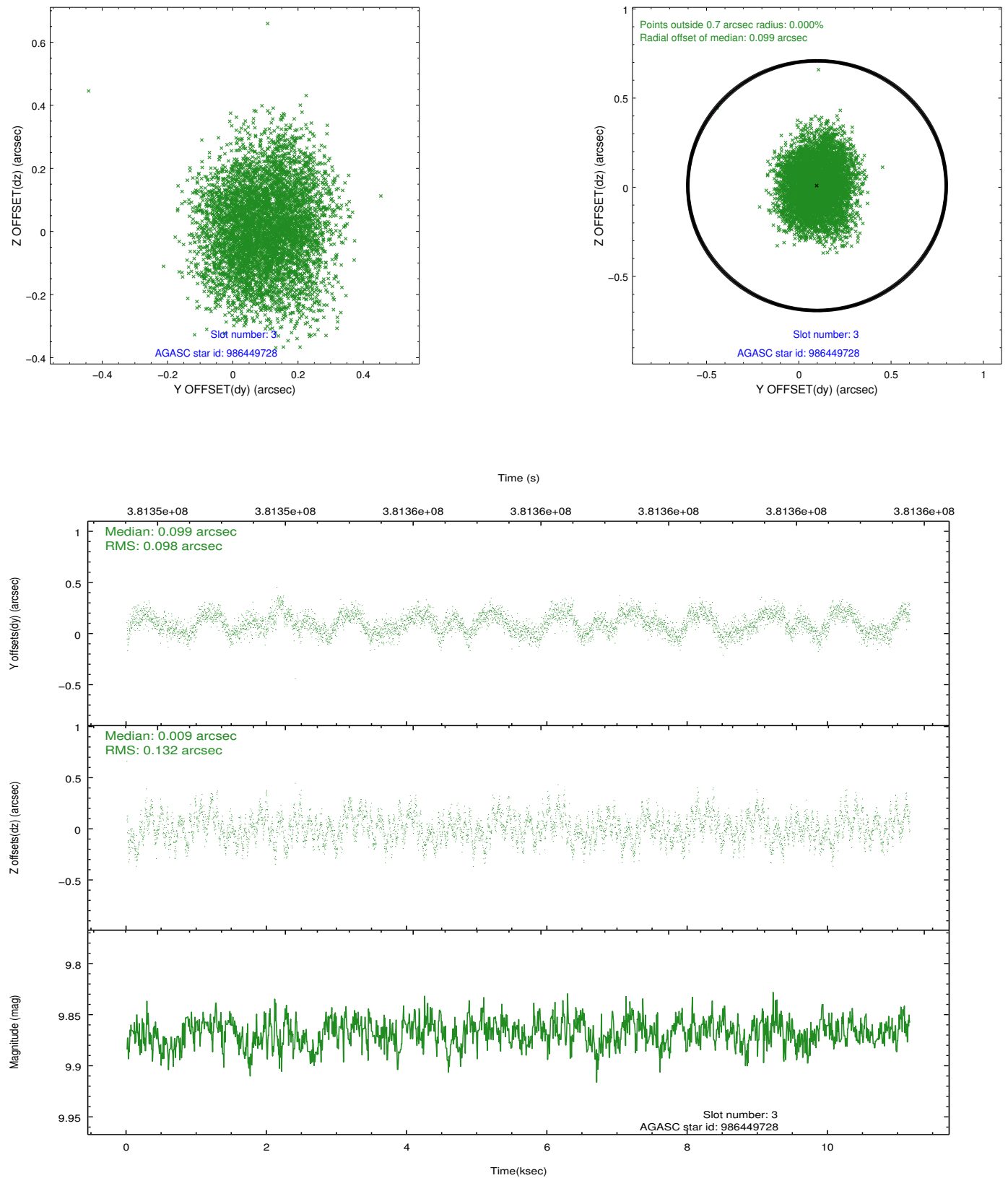


Slot Statistics

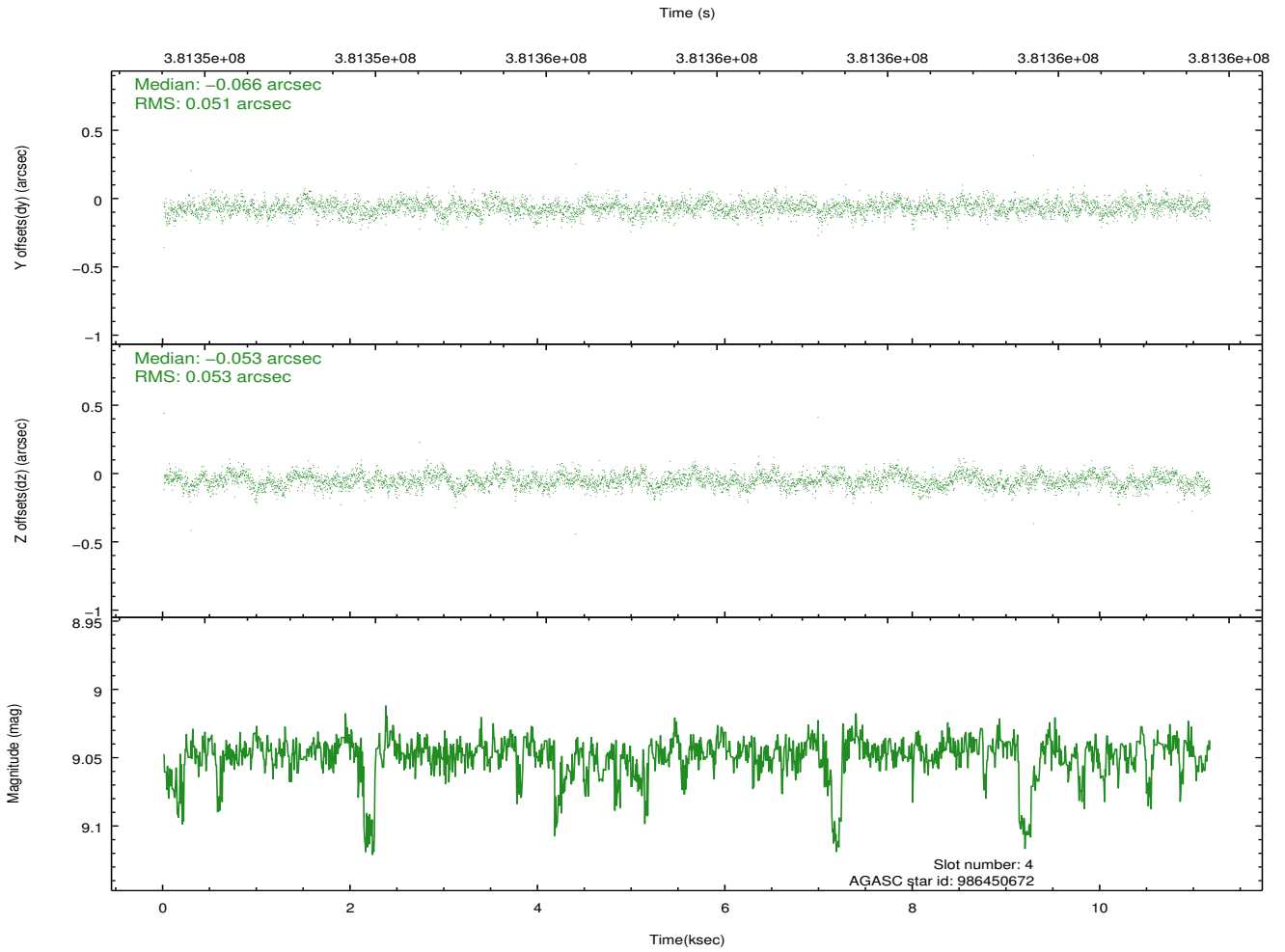
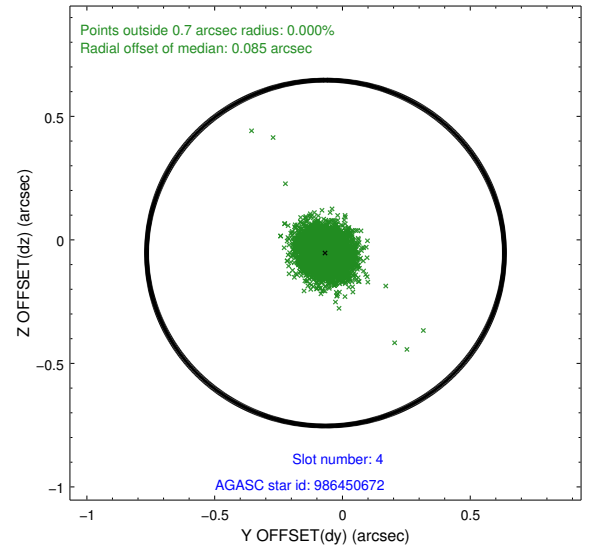
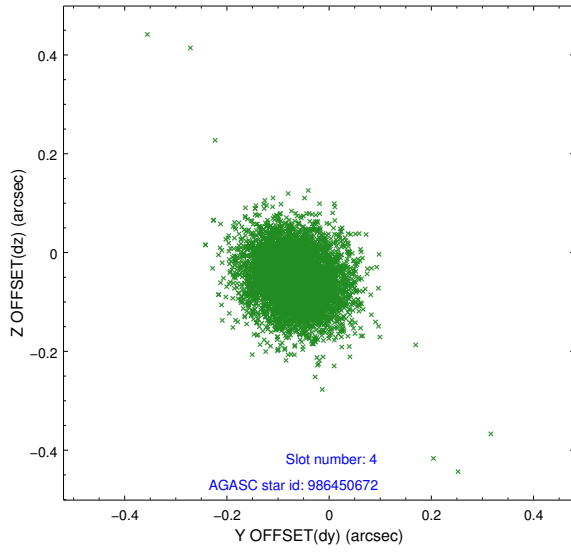
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.93	2723	-0.109	-0.064	0.010	0.016	0.000000	0.000000	-767.70	-1737.03
1	FID	ACIS-S-4	7.02	2724	0.110	0.063	0.009	0.014	0.000000	0.000000	2145.61	171.05
2	FID	ACIS-S-6	7.16	2724	-0.030	0.008	0.007	0.011	0.000000	0.000000	394.99	808.94
3	GUIDE	986449728	9.87	5438	0.099	0.009	0.179	0.278	0.918710	-41.095886	-755.30	-2091.64
4	GUIDE	986450672	9.05	5443	-0.066	-0.053	0.076	0.124	2.347387	-41.044540	-2011.79	1582.22
5	GUIDE	986452176	8.85	5442	-0.014	0.222	0.093	0.145	1.707271	-40.913300	-1990.60	-221.09
6	GUIDE	986454128	9.54	5441	0.047	-0.106	0.118	0.184	1.890476	-41.204337	-1120.86	546.15
7	GUIDE	986454816	8.21	5442	-0.067	-0.071	0.063	0.101	1.786355	-42.088187	2014.86	1155.26

2.4 Star Slots

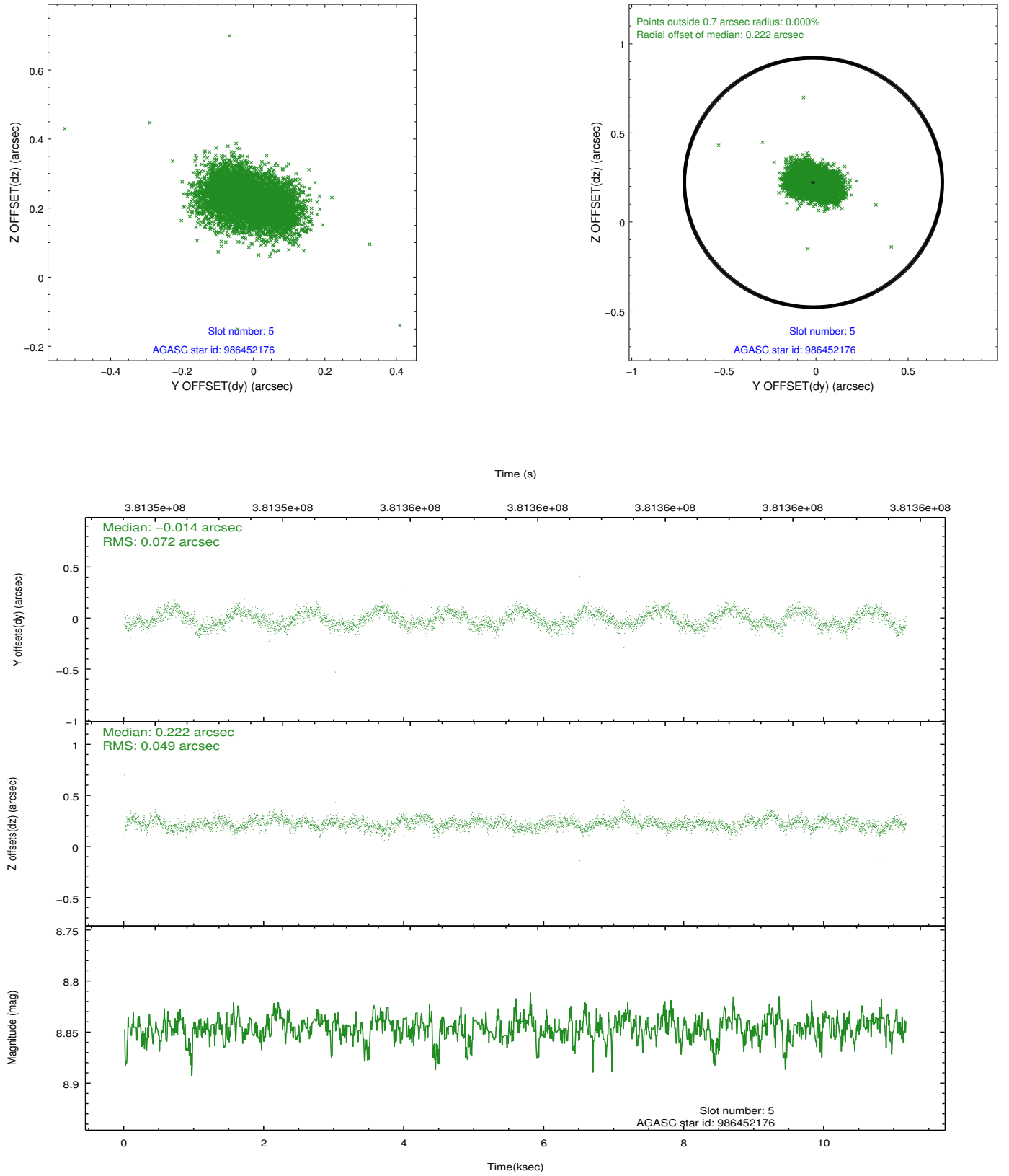
2.4.1 Slot 3



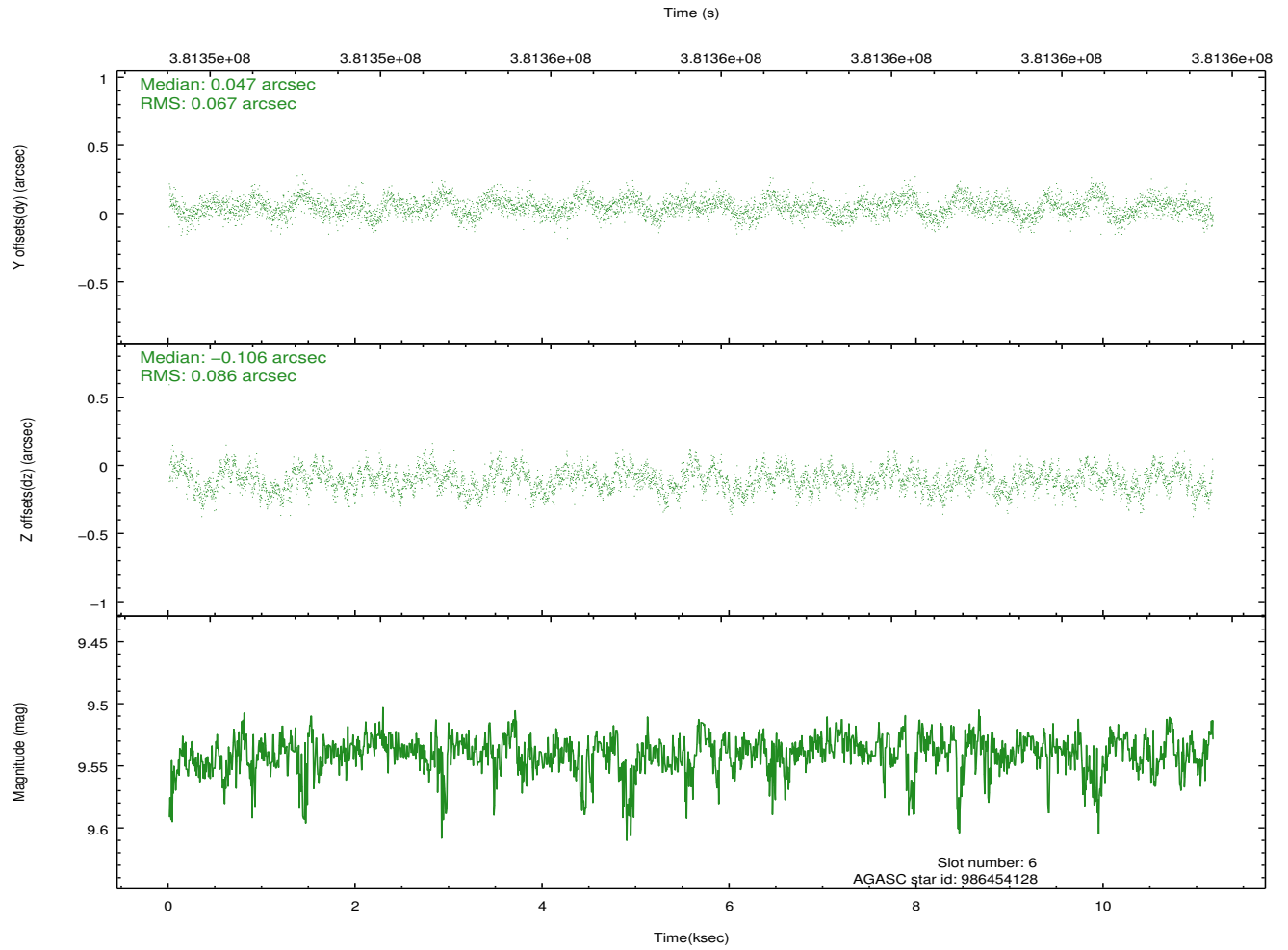
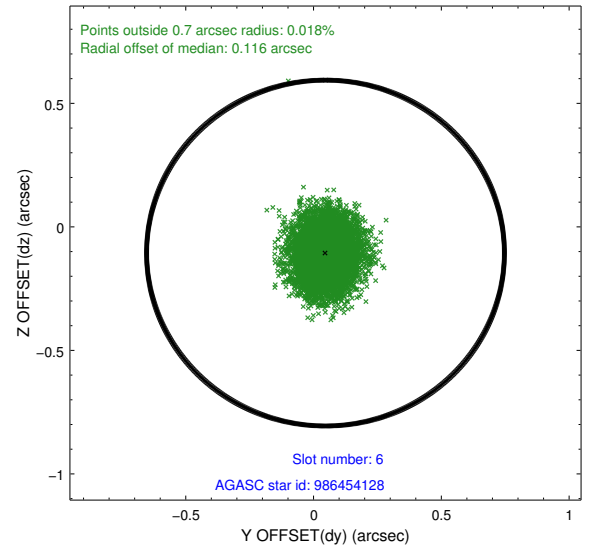
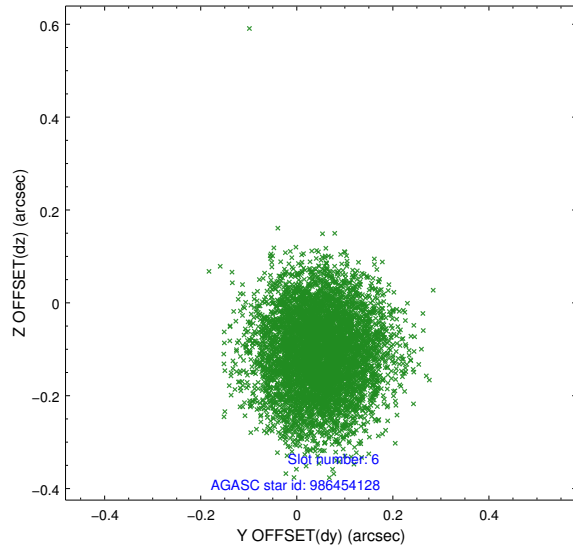
2.4.2 Slot 4



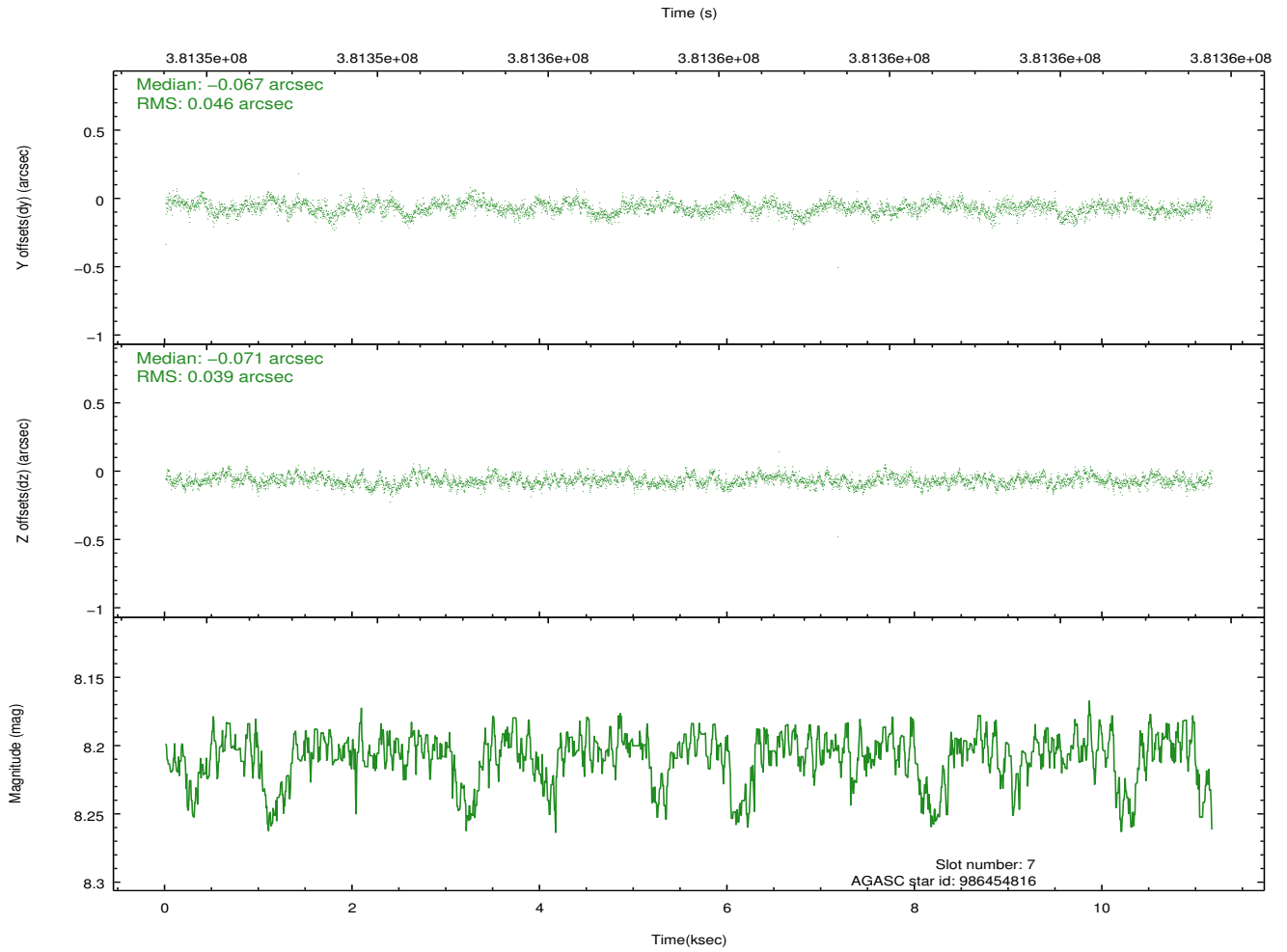
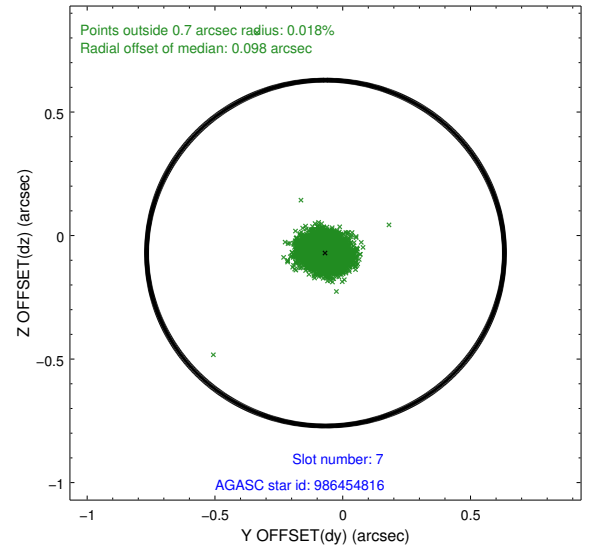
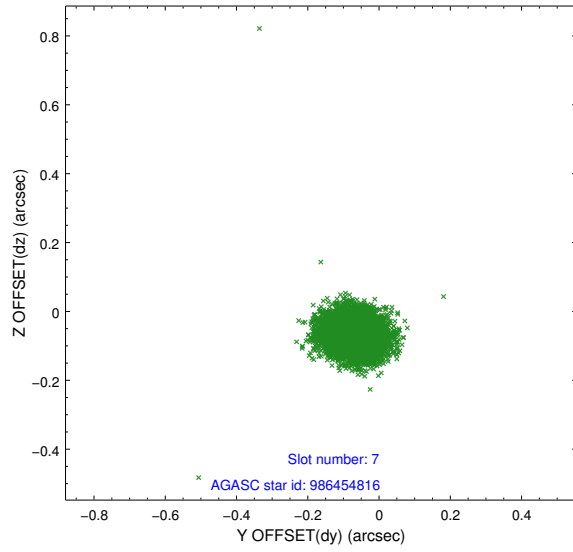
2.4.3 Slot 5



2.4.4 Slot 6

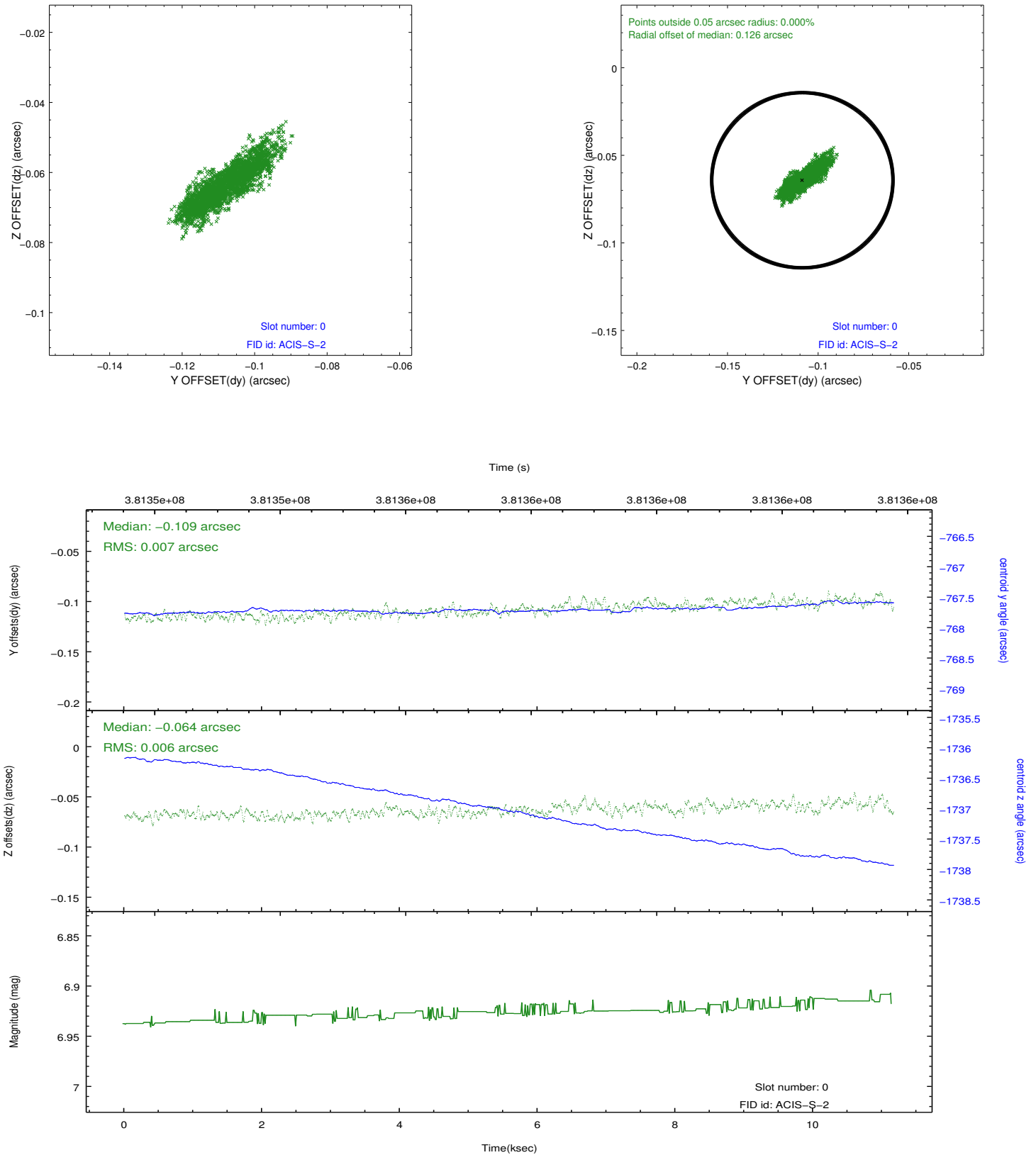


2.4.5 Slot 7

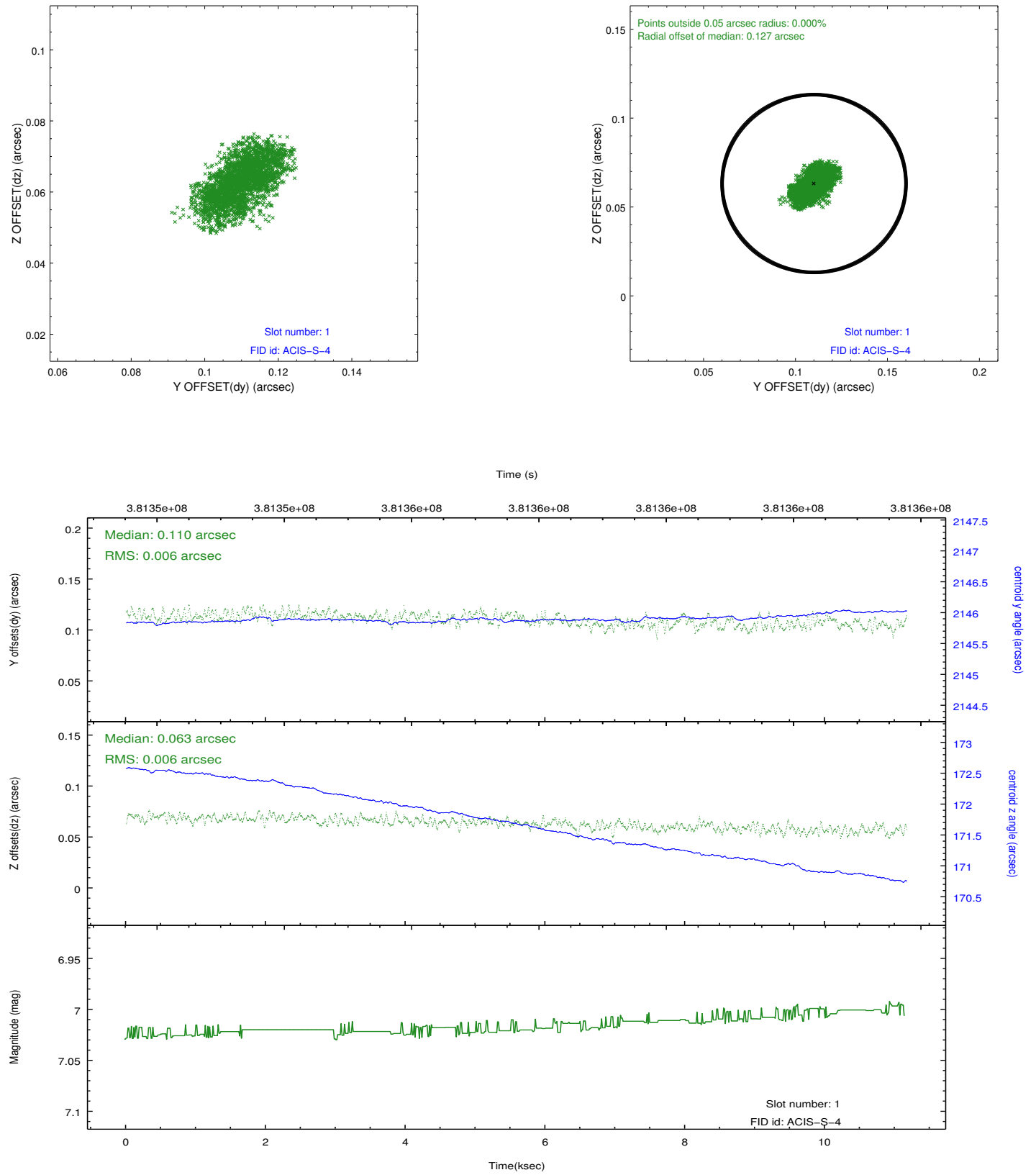


2.5 FID Slots

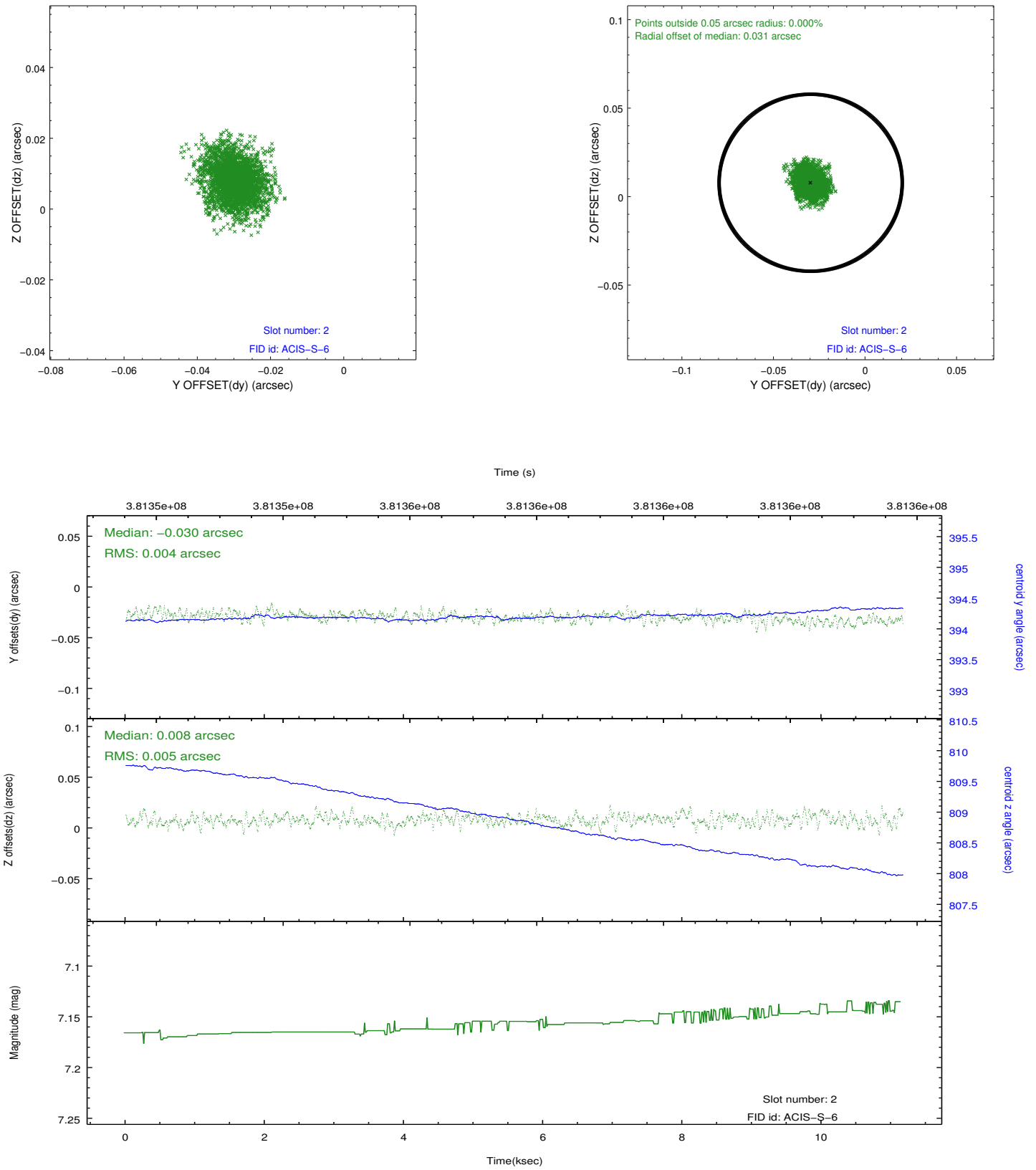
2.5.1 Slot 0



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)	2012.06.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.041599962652

A.2 Comments