

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 5370 - L2 Version 3
Chandra X-Ray Center

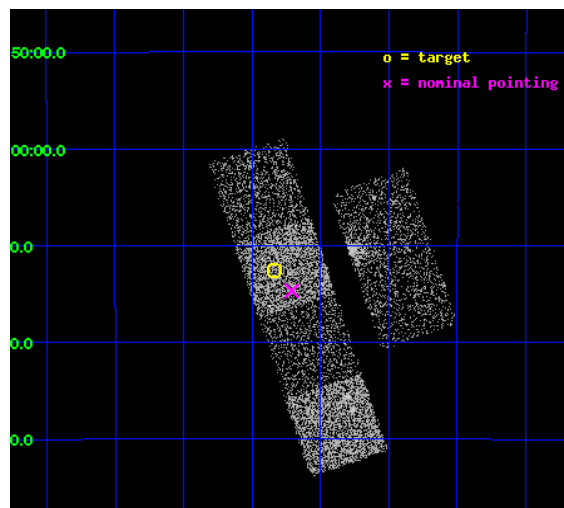
L2 Processing Date : Dec 26 2012

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1 Front

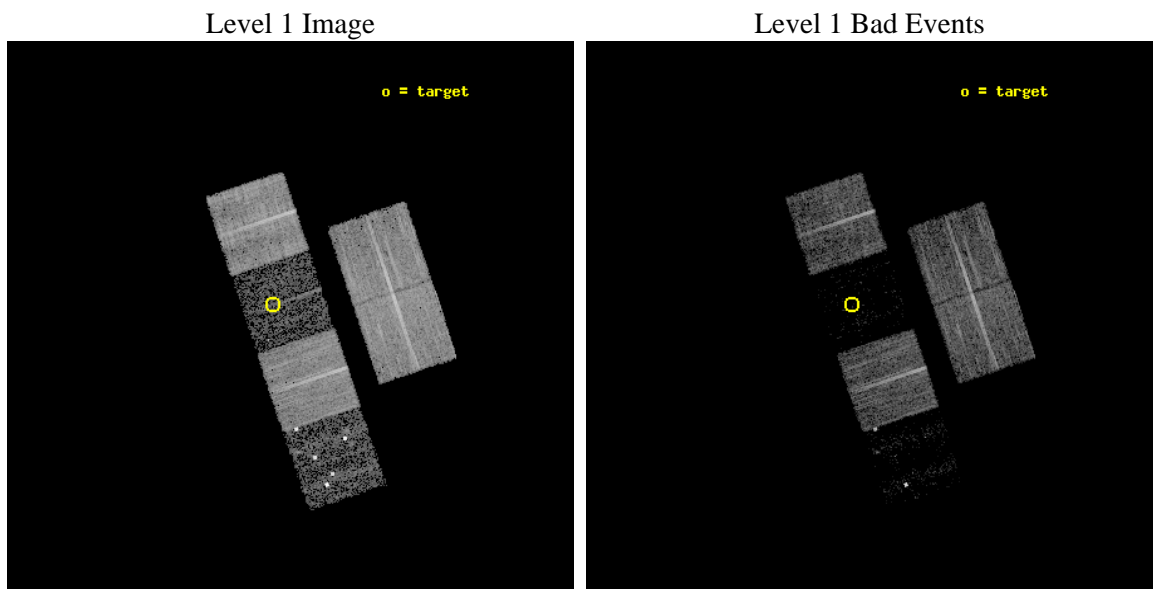
seq_num	100058	Sequence number
obs_id	5370	Observation id
title	Comet 9P/Tempel 1 During the Deep Impact Encounter	Proposal title
observer	Dr. Carey Lisse	Principal investigator
object	9P/Tempel 1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	214.959791	Observer's specified target RA [deg]
dec_targ	-17.20983	Observer's specified target Dec [deg]
ra_nom	214.92722173223	Nominal RA [deg]
dec_nom	-17.244630276572	Nominal Dec [deg]
roll_nom	251.48769906134	Nominal Roll [deg]
revision	3	Processing version of data
ontime	9259.836559236	Sum of GTIs [s]
livetime	9142.5829331188	Livetime [s]
ontime2	9259.8775992393	Sum of GTIs [s]
ontime3	9259.7134392262	Sum of GTIs [s]
ontime5	9259.7955192327	Sum of GTIs [s]
ontime6	9259.7544792295	Sum of GTIs [s]
ontime7	9259.836559236	Sum of GTIs [s]
ontime8	9256.4314289689	Sum of GTIs [s]
l2events	13740	Number of level 2 events



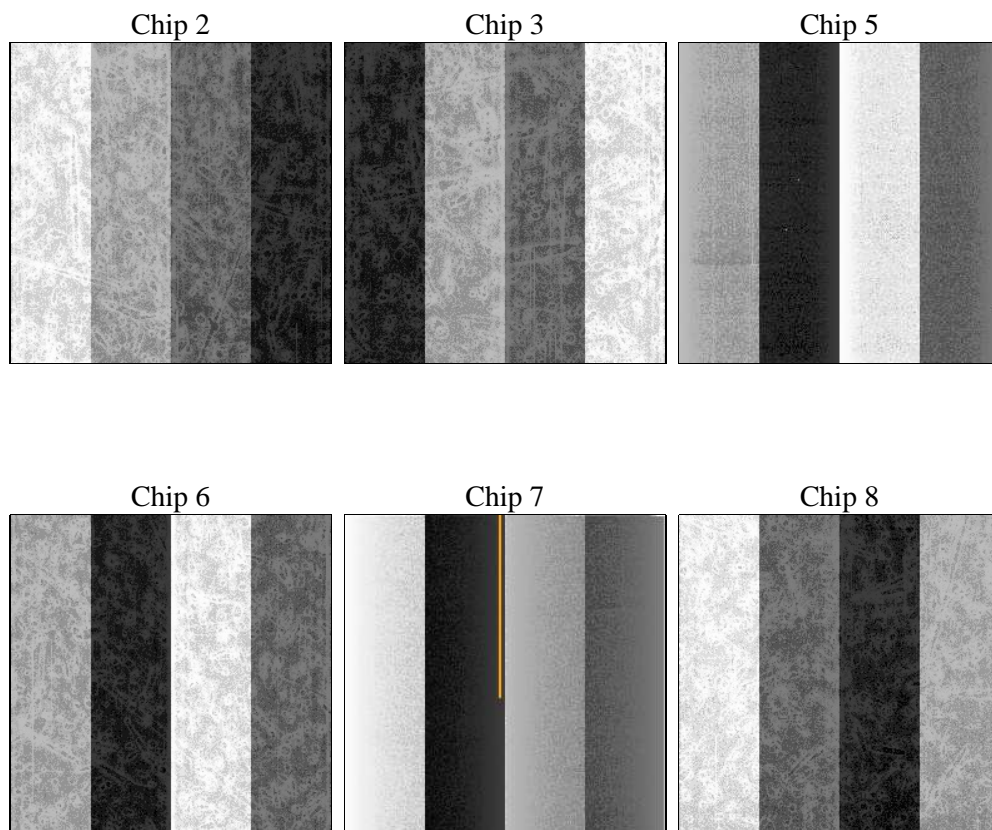
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	9300.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	9259.836559236	Sum of GTIs [s]
caldsver	4.5.5	 	ontime2	9259.8775992393	Sum of GTIs [s]
date	2012-12-26T14:50:53	Date and time of file creation	ontime3	9259.7134392262	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	9259.7955192327	Sum of GTIs [s]
			ontime6	9259.7544792295	Sum of GTIs [s]
			ontime7	9259.836559236	Sum of GTIs [s]
			ontime8	9256.4314289689	Sum of GTIs [s]
			l1events	198298	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	47039	41165	17631	40287	5724	46452
rejected events	45052	39237	4052	38514	1128	35356
rejected %	95%	95%	22%	95%	19%	76%

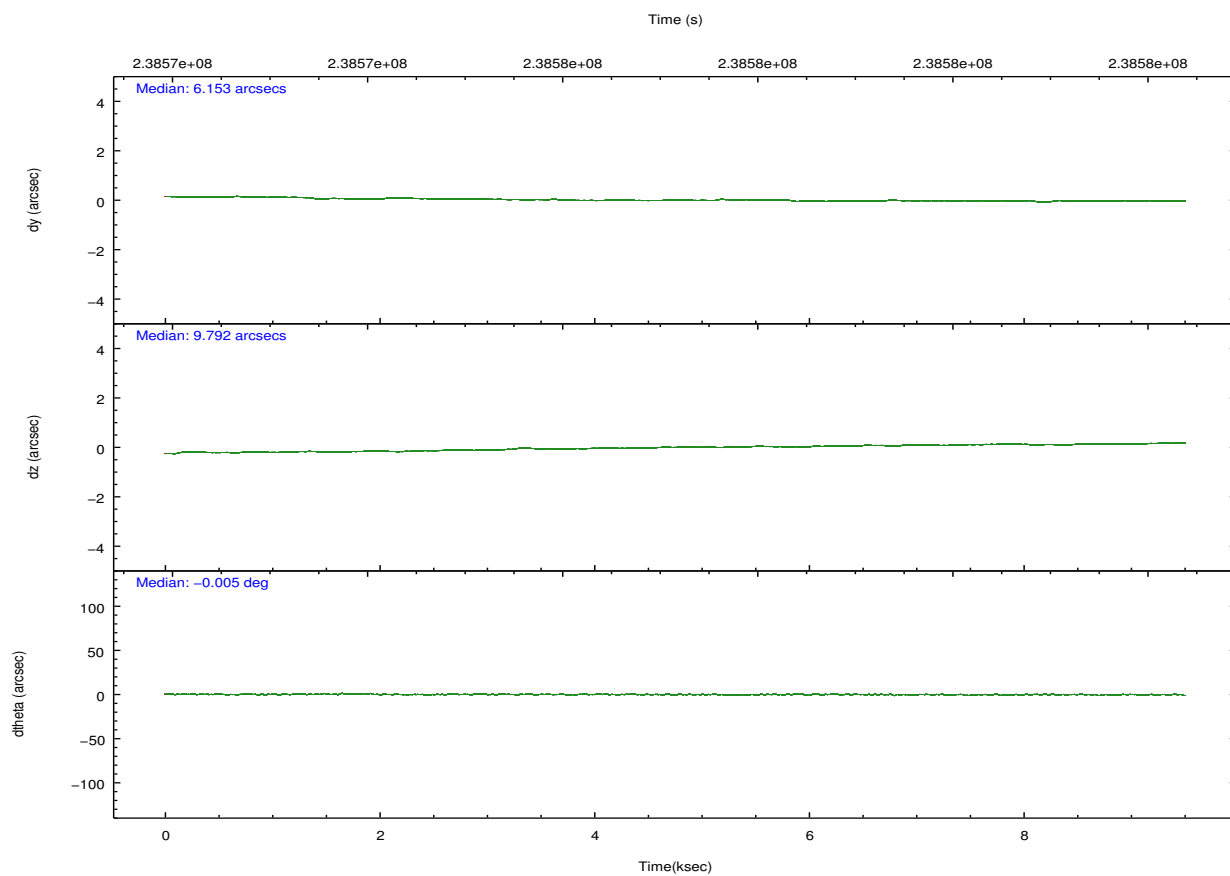
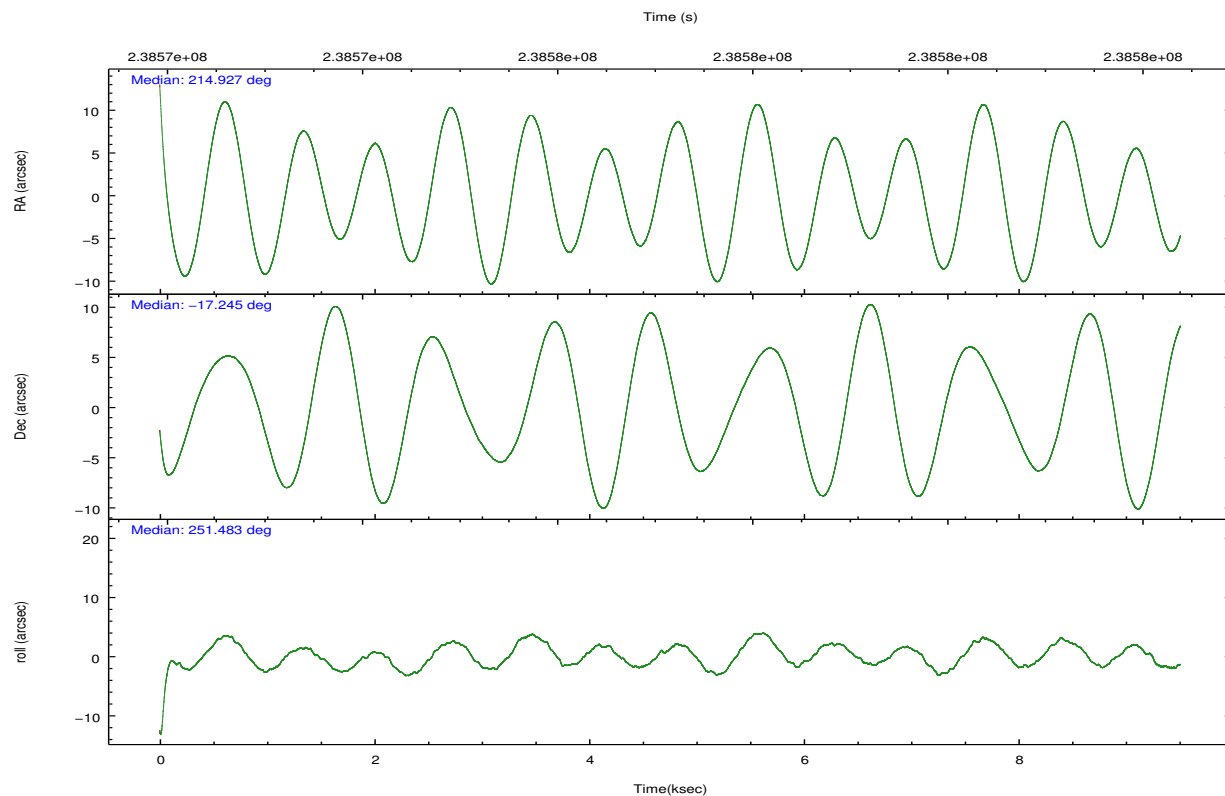
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	872	1125	8012	861	1247	3030
	1%	2%	45%	2%	21%	6%
grade 1 events	16	11	1603	13	34	26
	0%	0%	9%	0%	0%	0%
grade 2 events	413	230	3257	323	1509	2632
	0%	0%	18%	0%	26%	5%
grade 3 events	248	244	934	270	721	1210
	0%	0%	5%	0%	12%	2%
grade 4 events	306	213	928	229	649	1084
	0%	0%	5%	0%	11%	2%
grade 5 events	62	32	669	50	130	239
	0%	0%	3%	0%	2%	0%
grade 6 events	189	137	641	118	534	3277
	0%	0%	3%	0%	9%	7%
grade 7 events	44933	39173	1587	38423	900	34954
	95%	95%	9%	95%	15%	75%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-235678	ACIS-235678
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	214.921200	214.92722173223
[deg] Pointing Dec	-17.217979	-17.24463027657152
[deg] Pointing Roll	251.329319	251.4876990613443
[s] Window start time (MET)	238572064.184000	238572064.184000
[s] Window stop time (MET)	238615264.184000	238615264.184000
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1400660498719
[mm] SIM translation stage offset	0	0.00754346686406393
[s] Observation start time (MET)	238572603.184000	238571629.35137
Observation start date	2005-07-24T06:08:59	2005-07-24T05:53:49
[s] Observation end time (MET)	238581903.184000	238582037.20184
Observation end date	2005-07-24T08:43:59	2005-07-24T08:47:17
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect

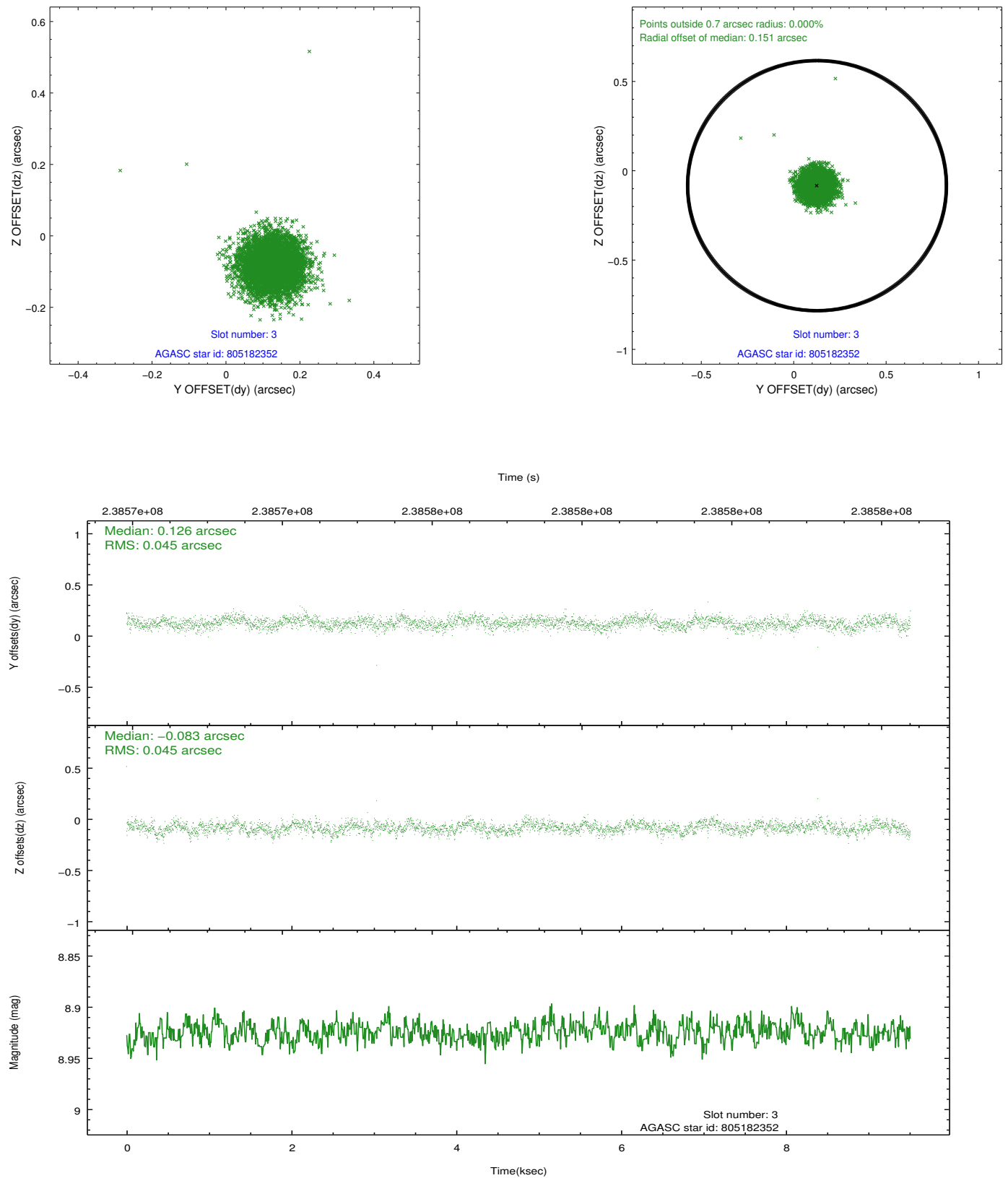


Slot Statistics

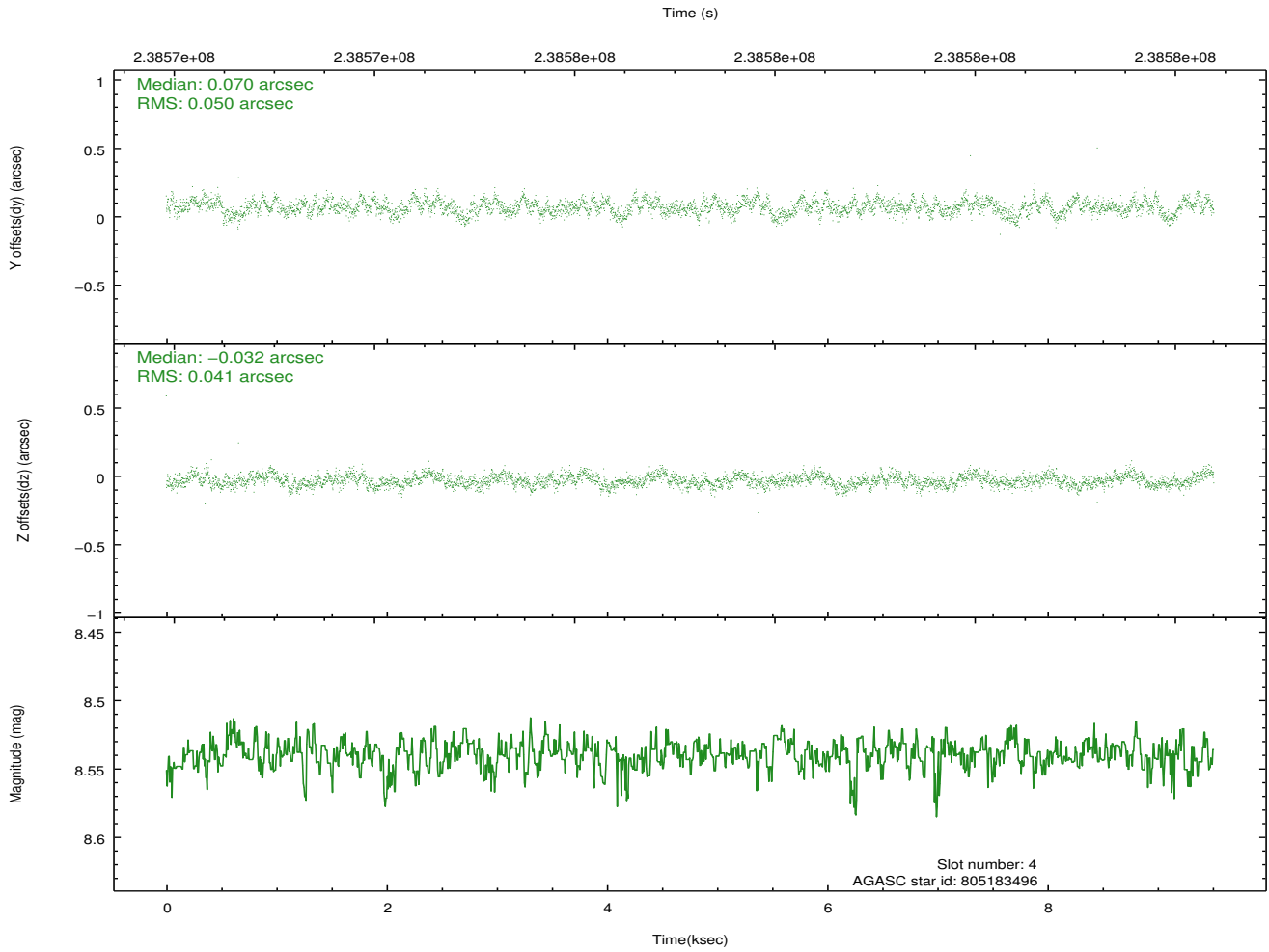
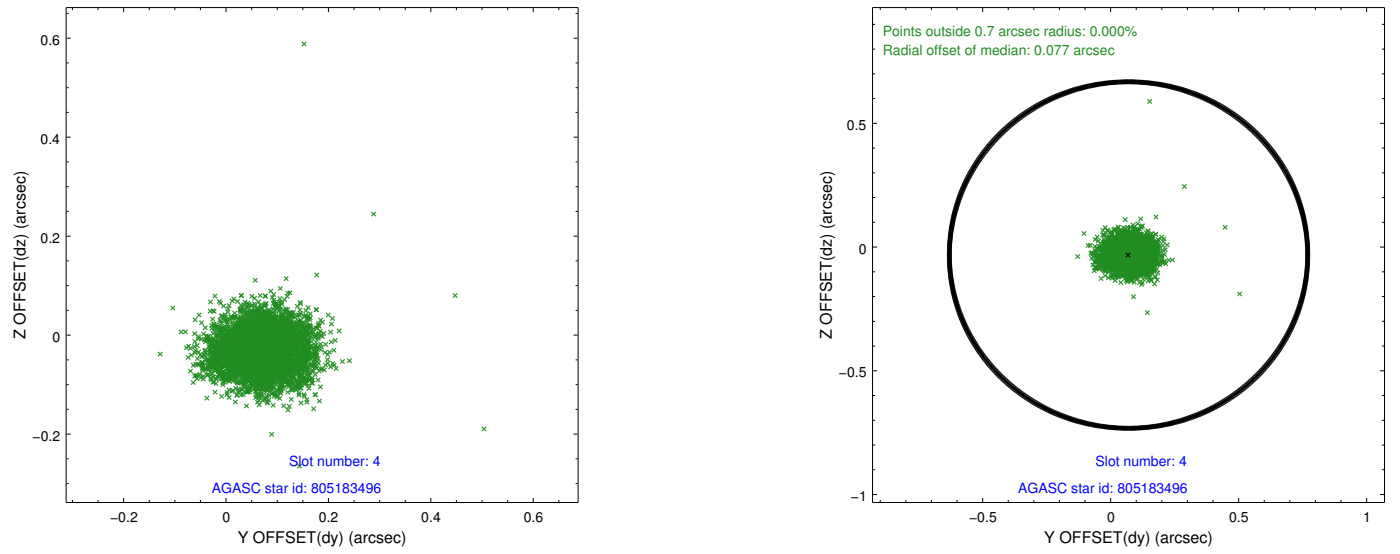
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	2320	-0.067	-0.033	0.007	0.011	0.000000	0.000000	-758.94	-1731.05
1	FID	ACIS-S-4	7.21	2320	0.108	0.041	0.005	0.009	0.000000	0.000000	2154.23	176.96
2	FID	ACIS-S-5	7.23	2319	-0.073	0.001	0.007	0.012	0.000000	0.000000	-1811.09	171.18
3	GUIDE	805182352	8.92	4635	0.126	-0.083	0.067	0.107	214.624580	-17.686015	1922.95	-424.02
4	GUIDE	805183496	8.54	4638	0.070	-0.032	0.068	0.108	214.568748	-17.733891	2148.25	-550.18
5	GUIDE	805185120	8.61	4568	-0.025	-0.014	0.063	0.102	215.253528	-17.793163	1598.38	1742.53
6	GUIDE	805187072	8.73	4579	-0.092	0.042	0.063	0.103	215.513645	-17.149952	-881.21	1853.69
7	GUIDE	805188160	8.97	4632	-0.078	0.088	0.067	0.111	215.356854	-16.987214	-1265.92	1156.07

2.4 Star Slots

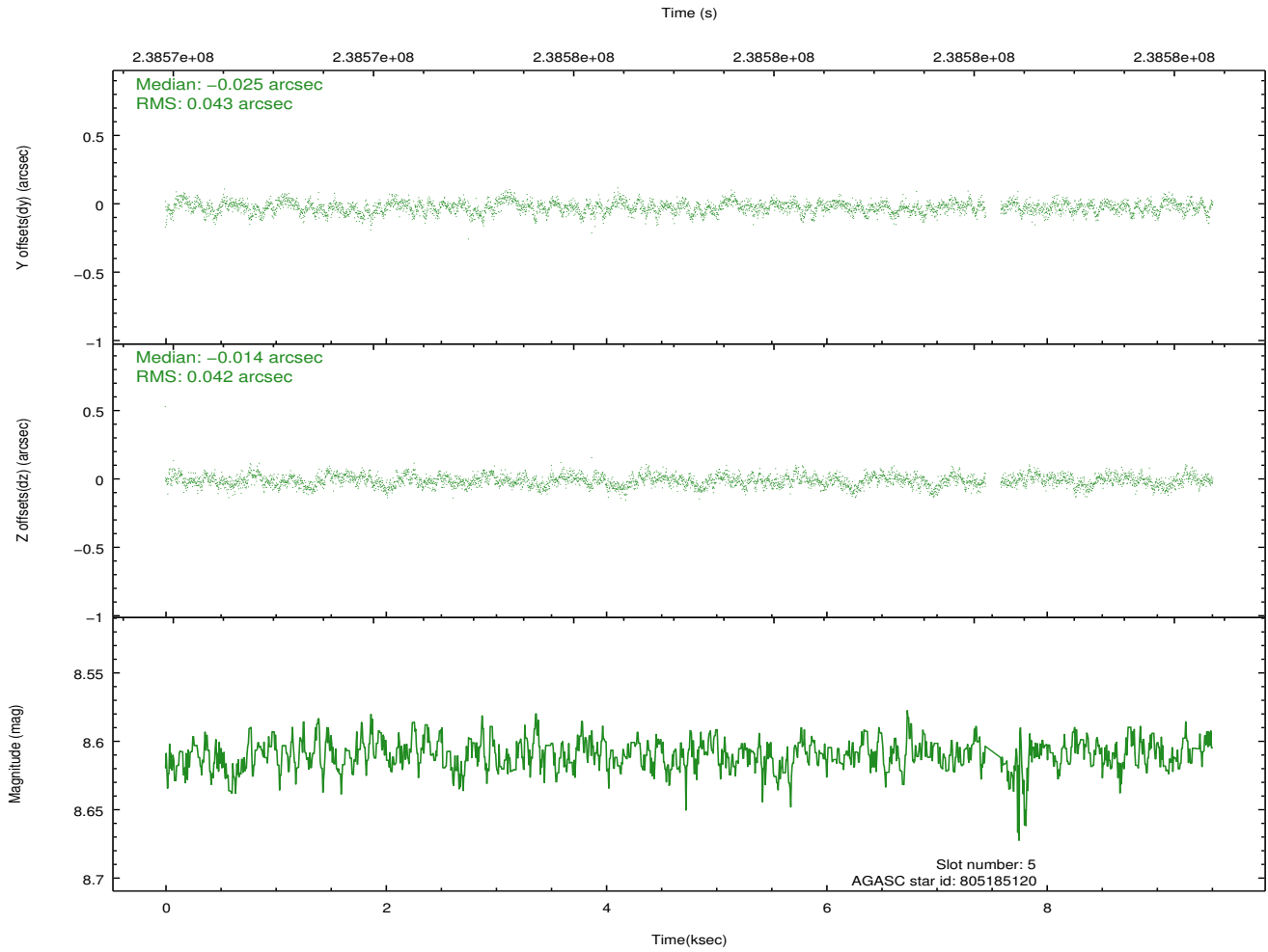
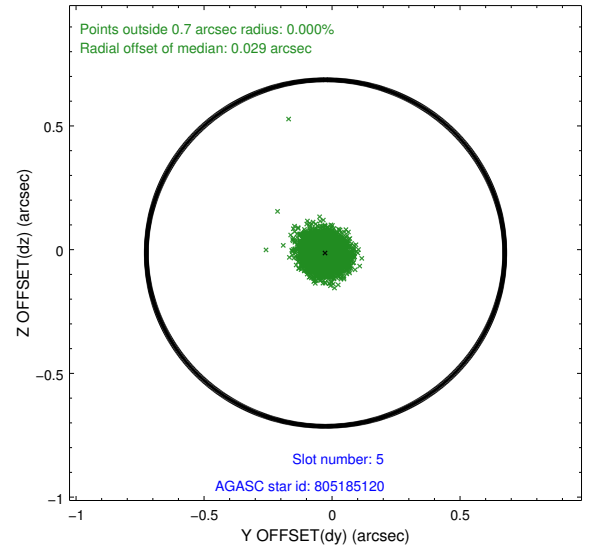
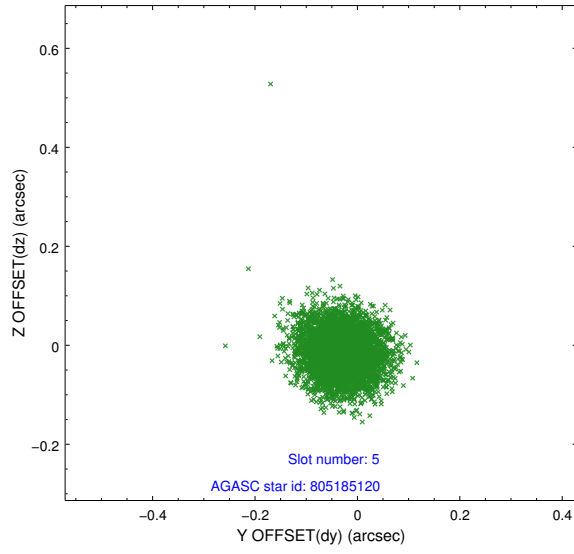
2.4.1 Slot 3



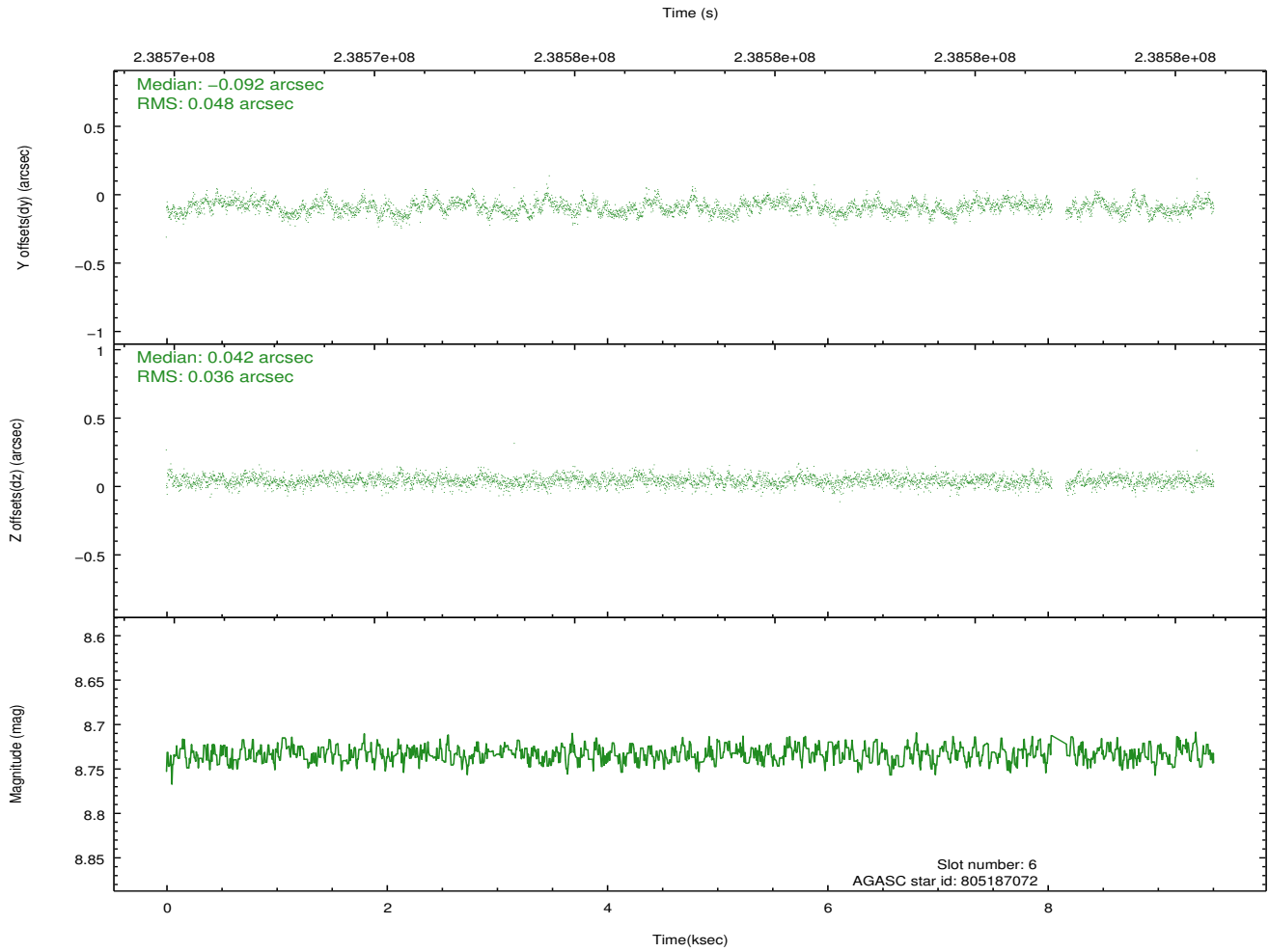
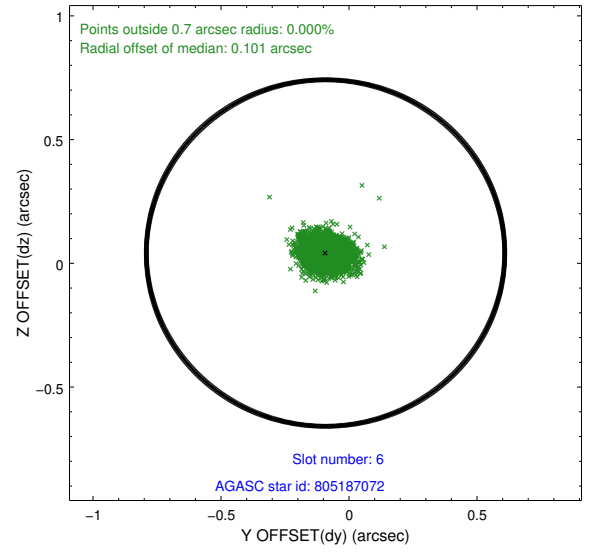
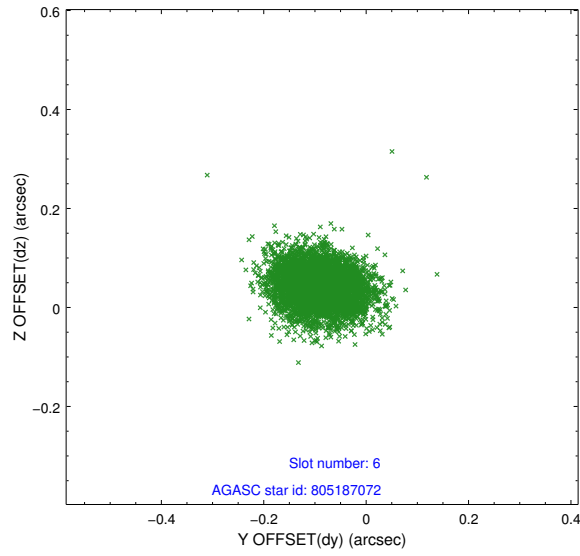
2.4.2 Slot 4



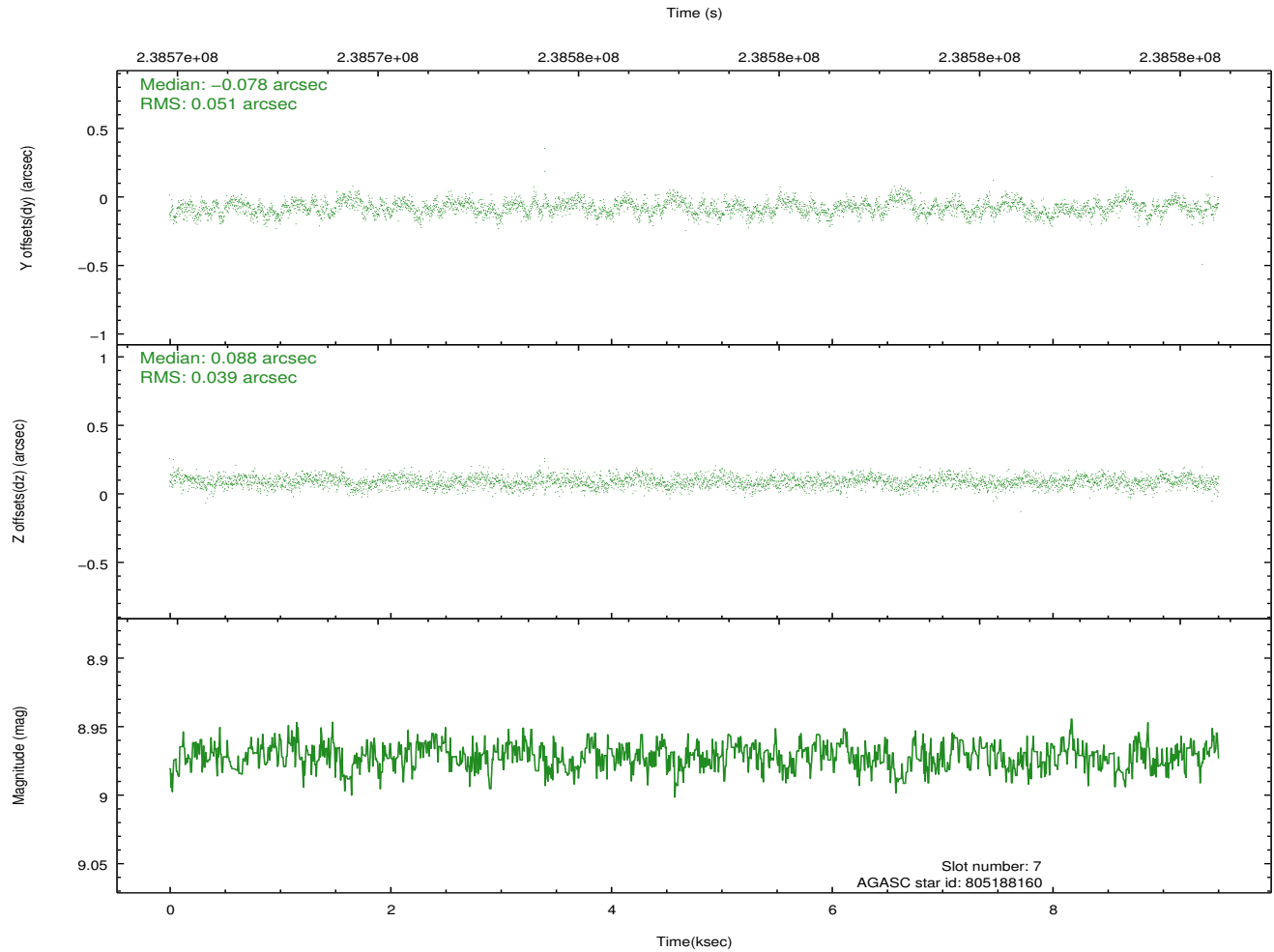
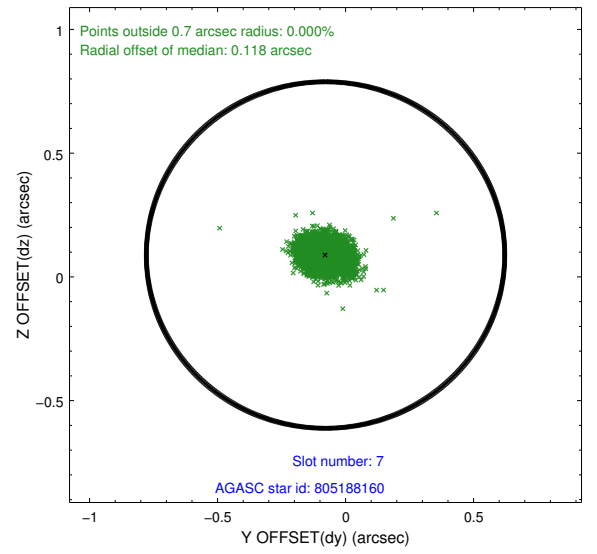
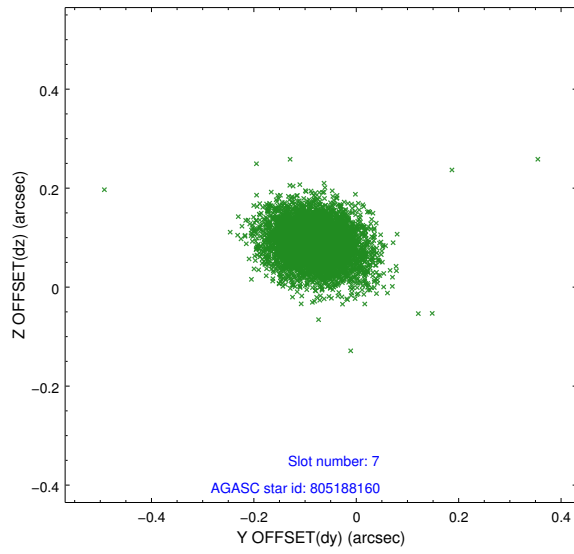
2.4.3 Slot 5



2.4.4 Slot 6

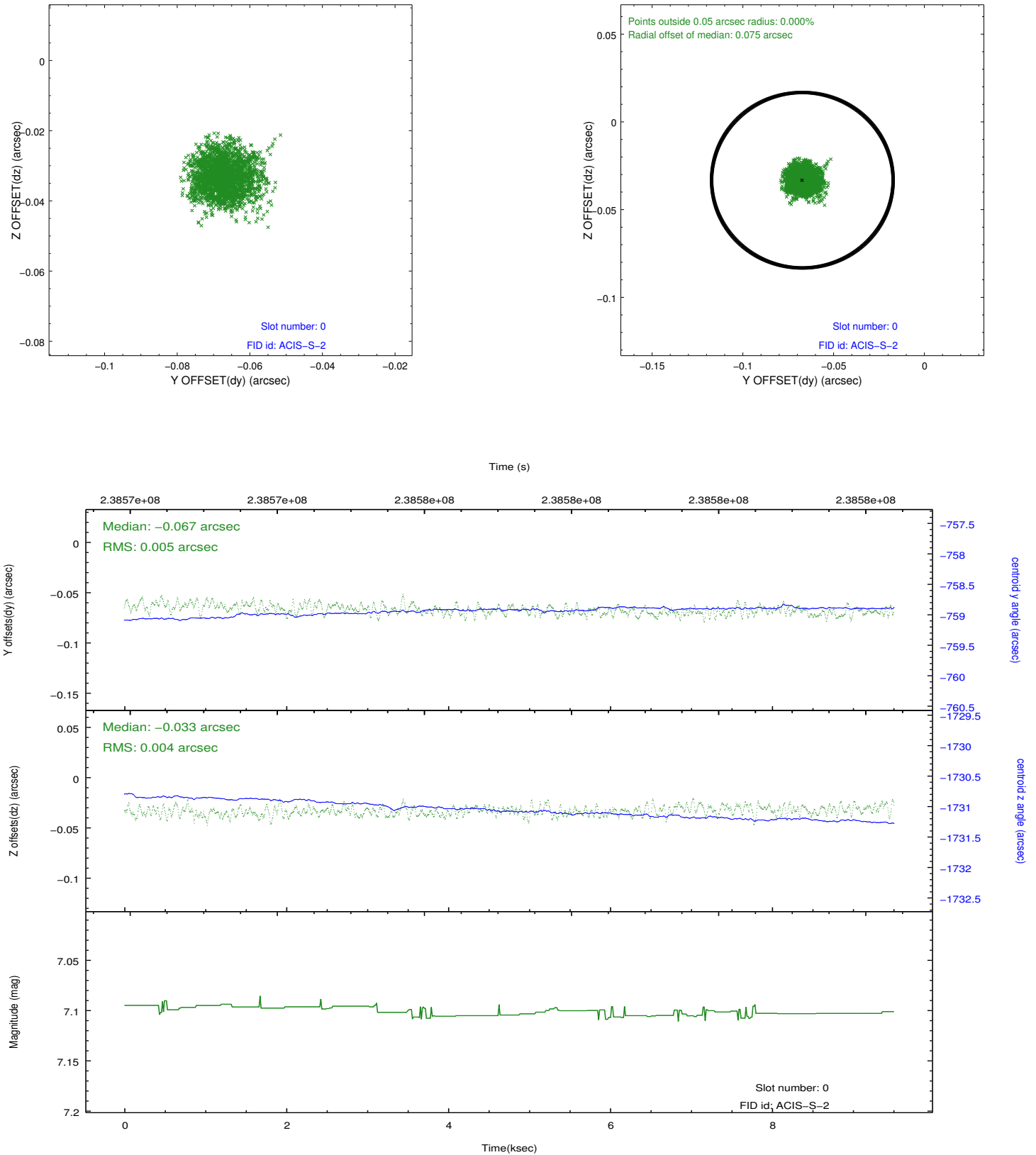


2.4.5 Slot 7

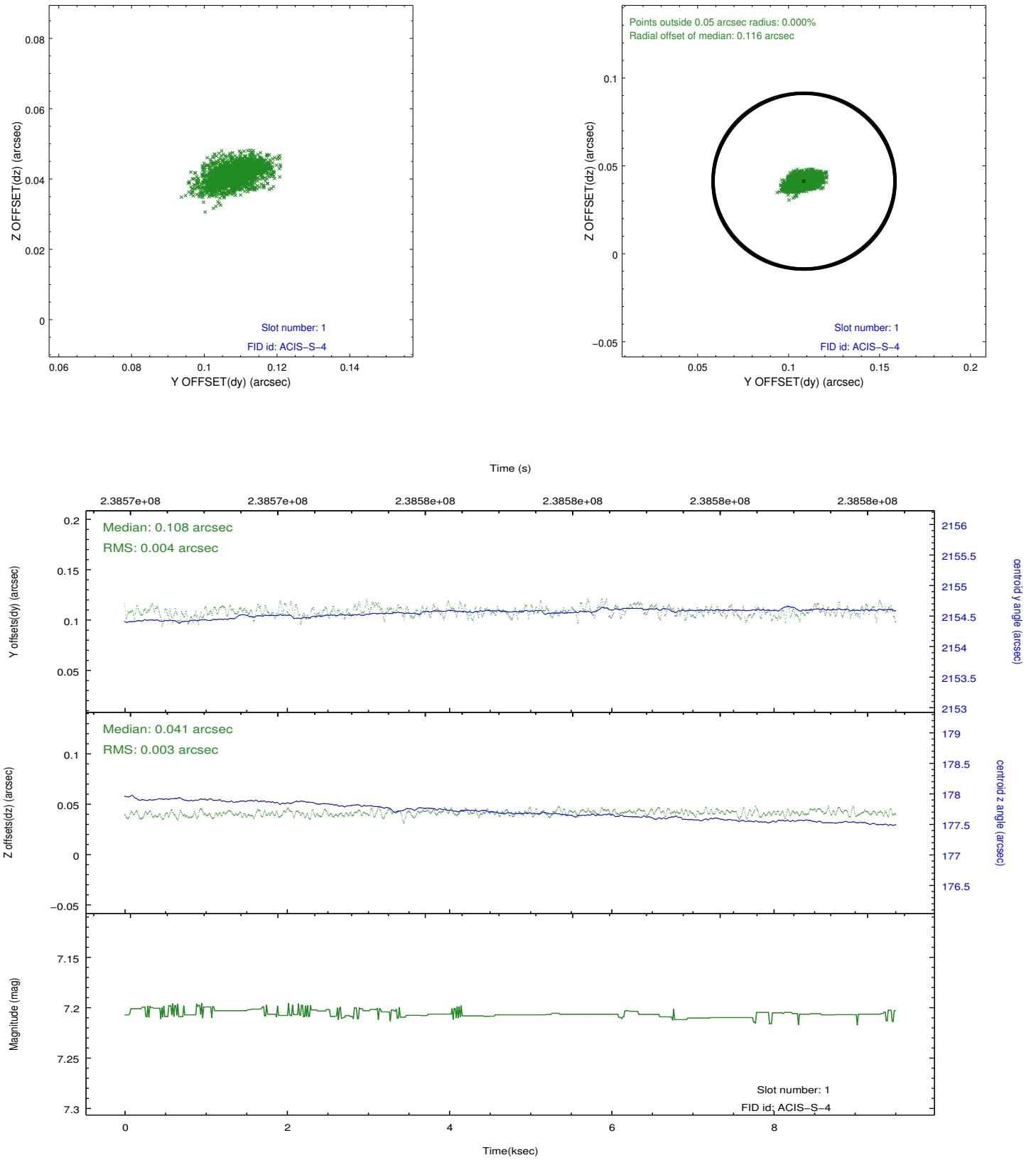


2.5 FID Slots

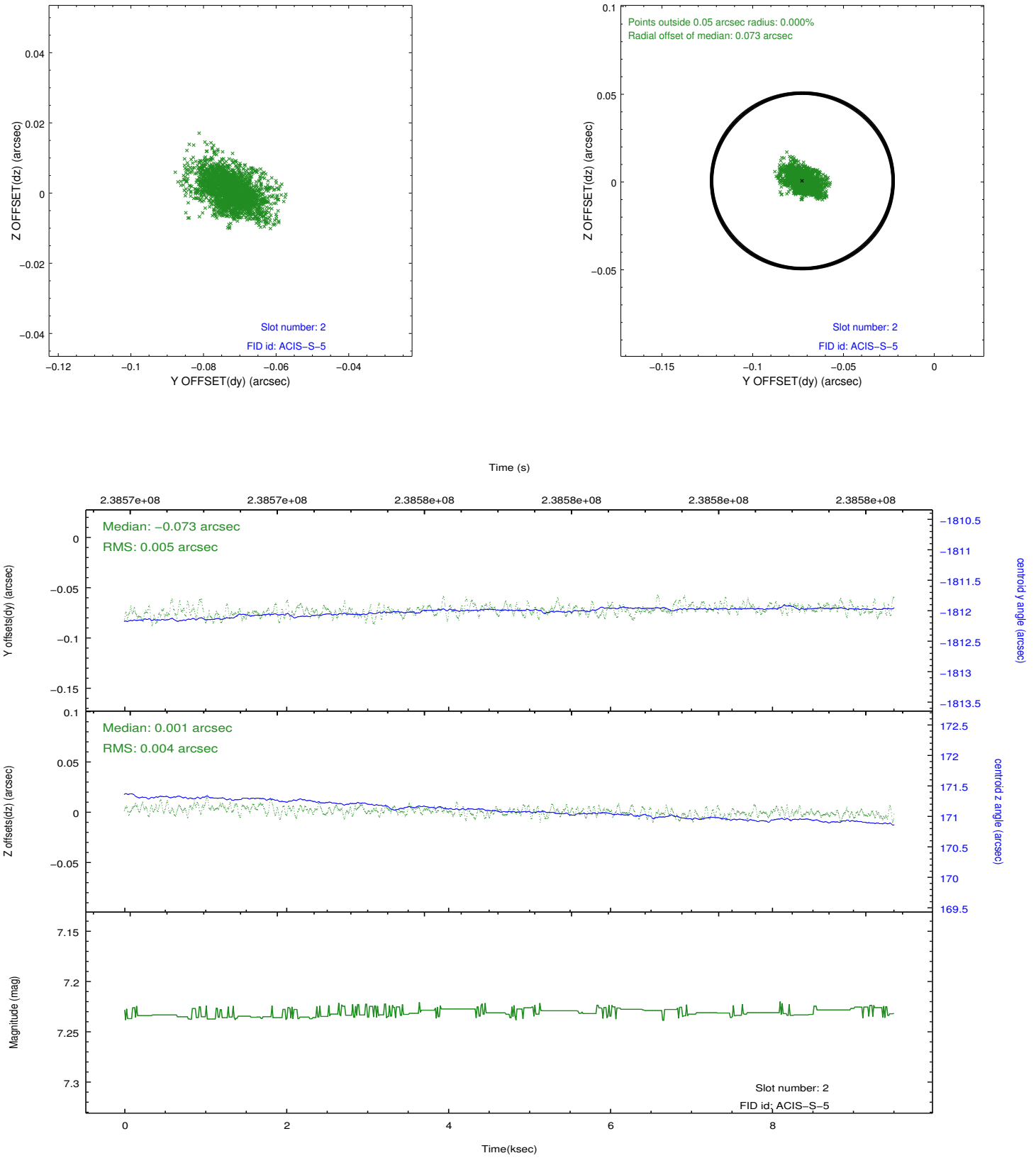
2.5.1 Slot 0



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)	2013.01.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.392435

A.2 Comments

Charge time for this ObsId remains at previous value of 9.392435 ks although with the current processing the charge time would have been 9.26 ksec.

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This is a moving target. Users will need to run sso_freeze or similar software to position the events in the reference frame of the target. Window constraint met.