

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 6350 - L2 Version 3
Chandra X-Ray Center

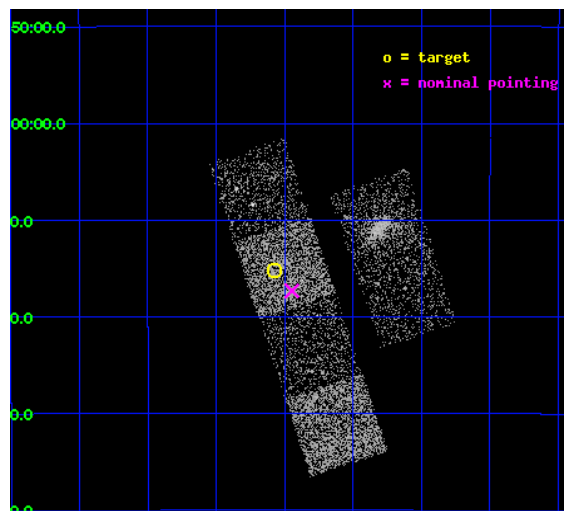
L2 Processing Date : Dec 26 2012

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

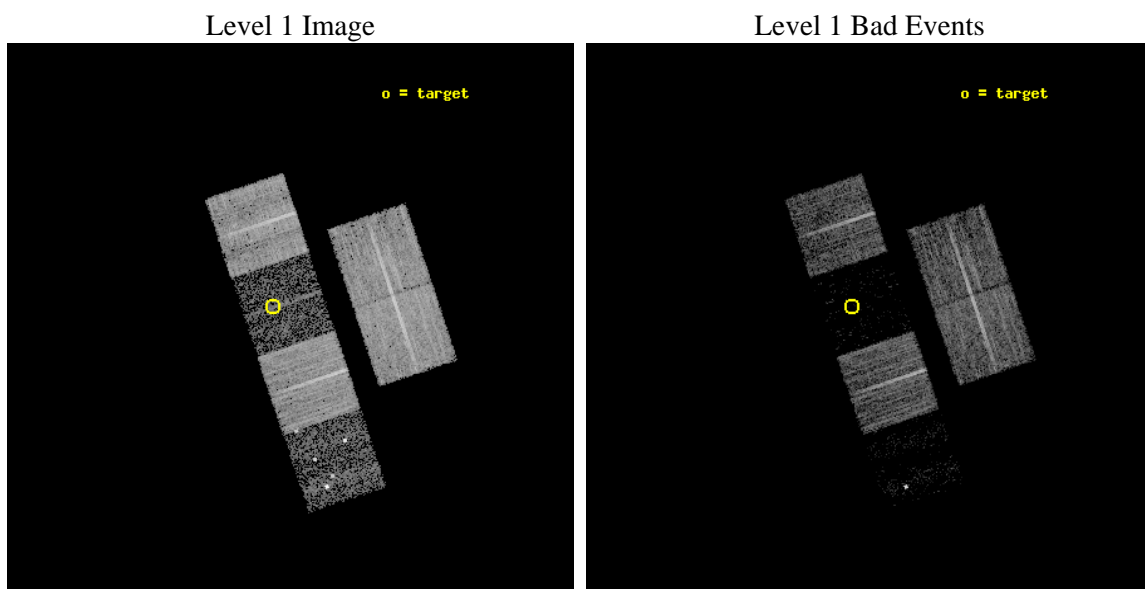
seq_num	100058	Sequence number
obs_id	6350	Observation id
title	Comet 9P/Tempel 1 During the Deep Impact Encounter	Proposal title
observer	Dr. Carey Lisse	Principal investigator
object	9P/Tempel 1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	215.019174	Observer's specified target RA [deg]
dec_targ	-17.253822	Observer's specified target Dec [deg]
ra_nom	214.9866163295	Nominal RA [deg]
dec_nom	-17.288607610942	Nominal Dec [deg]
roll_nom	251.50914748263	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8179.1999695301	Sum of GTIs [s]
livetime	8075.630014593	Livetime [s]
ontime2	8175.9589992464	Sum of GTIs [s]
ontime3	8179.1999695301	Sum of GTIs [s]
ontime5	8179.1999695301	Sum of GTIs [s]
ontime6	8179.1999695301	Sum of GTIs [s]
ontime7	8179.1999695301	Sum of GTIs [s]
ontime8	8179.1999695301	Sum of GTIs [s]
l2events	12418	Number of level 2 events



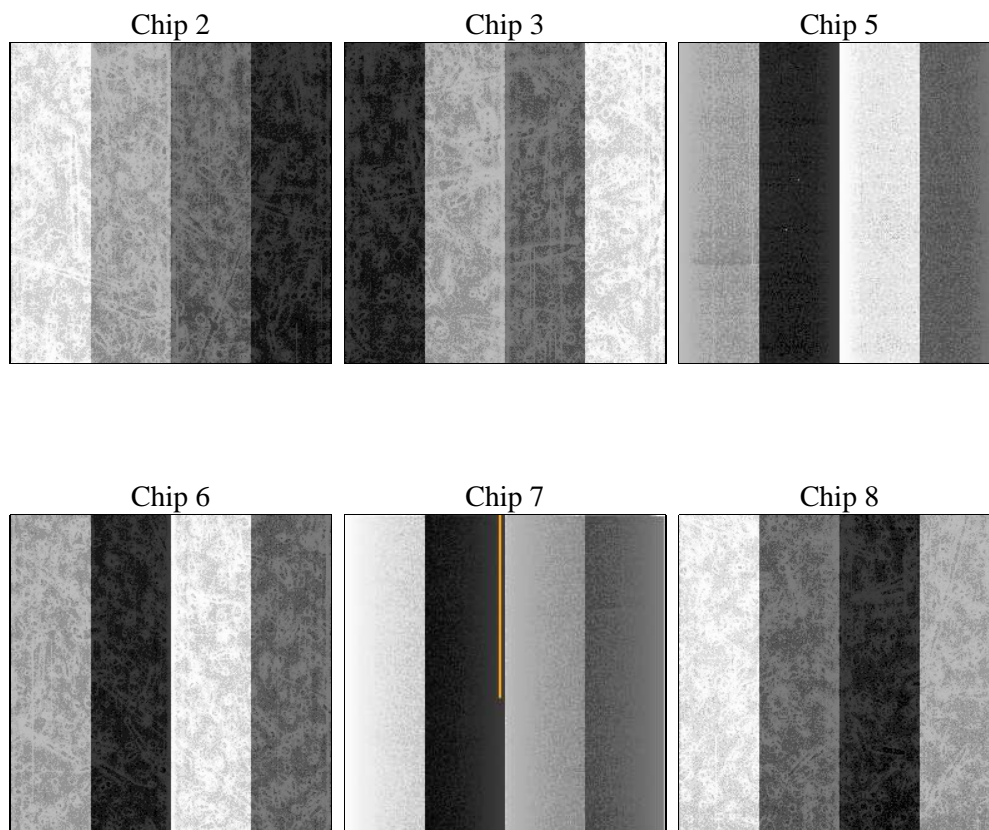
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7999.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	8179.1999695301	Sum of GTIs [s]
caldsver	4.5.5	 	ontime2	8175.9589992464	Sum of GTIs [s]
date	2012-12-26T15:04:38	Date and time of file creation	ontime3	8179.1999695301	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	8179.1999695301	Sum of GTIs [s]
			ontime6	8179.1999695301	Sum of GTIs [s]
			ontime7	8179.1999695301	Sum of GTIs [s]
			ontime8	8179.1999695301	Sum of GTIs [s]
			l1events	177560	Number of level 1 events

2.1.4 Events

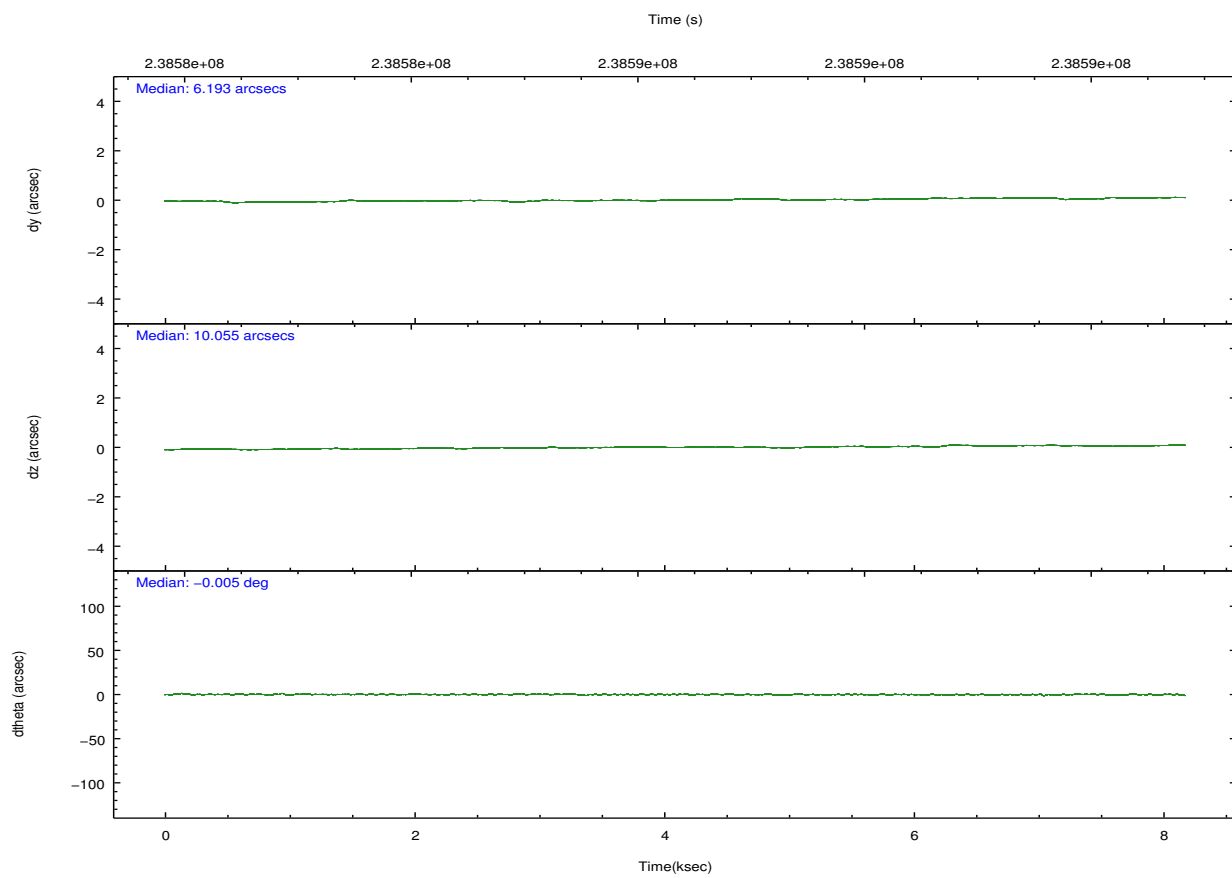
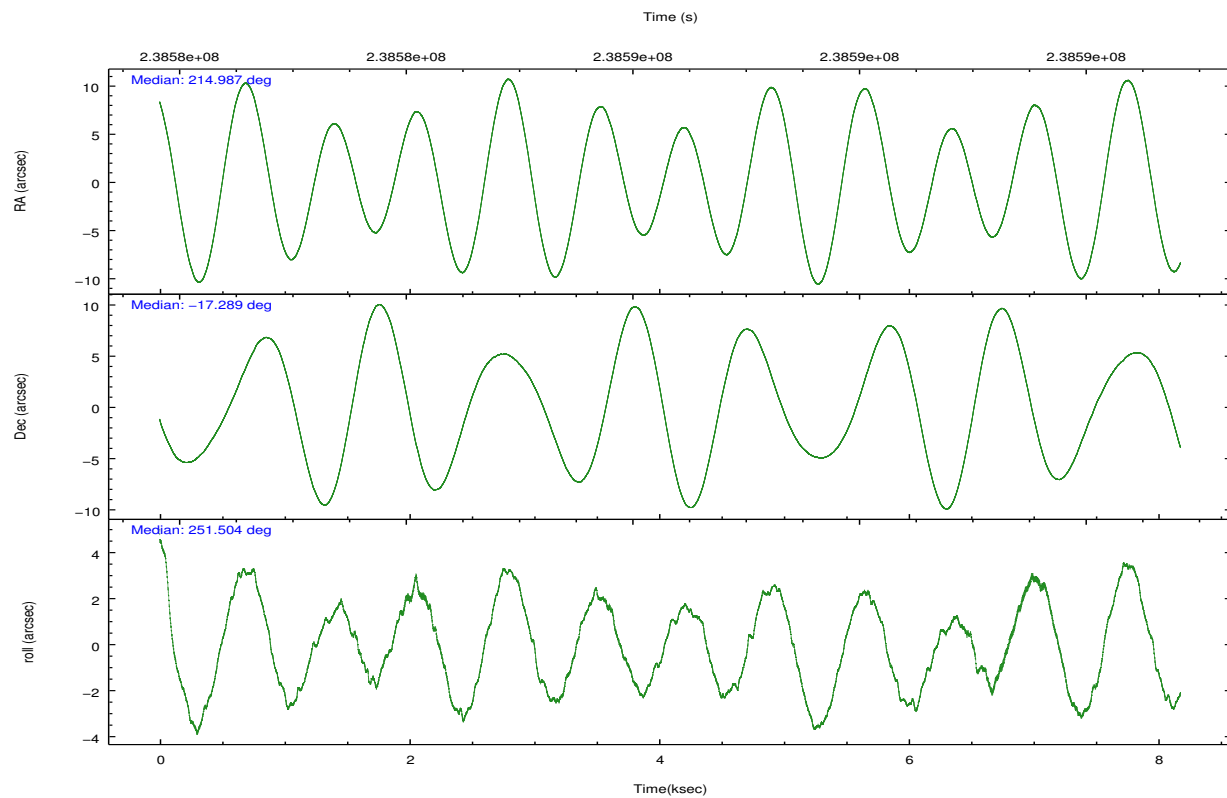
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	43060	37723	10970	38681	5342	41784
rejected events	41369	35549	3215	37063	1170	31740
rejected %	96%	94%	29%	95%	21%	75%

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	734	1467	4293	858	1206	3109
	1%	3%	39%	2%	22%	7%
grade 1 events	10	10	1026	9	24	24
	0%	0%	9%	0%	0%	0%
grade 2 events	391	226	1995	256	1353	2261
	0%	0%	18%	0%	25%	5%
grade 3 events	213	232	661	244	625	1280
	0%	0%	6%	0%	11%	3%
grade 4 events	230	225	654	231	614	1140
	0%	0%	5%	0%	11%	2%
grade 5 events	51	41	325	27	130	204
	0%	0%	2%	0%	2%	0%
grade 6 events	193	122	511	107	512	2712
	0%	0%	4%	0%	9%	6%
grade 7 events	41238	35400	1505	36949	878	31054
	95%	93%	13%	95%	16%	74%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	214.980573	214.9866163295026	Subarray requested	NONE	NONE
[deg] Pointing Dec	-17.261983	-17.28860761094224	Alternating exposures requested	N	N
[deg] Pointing Roll	251.350725	251.5091474826319	[s] Primary exposure time	0.000000	3.2
[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)	238582413.184000	238582037.20184			
Observation start date	2005-07-24T08:52:29	2005-07-24T08:47:17			
[s] Observation end time (MET)	238590412.184000	238590545.72723			
Observation end date	2005-07-24T11:05:48	2005-07-24T11:09:05			
Read mode	TIMED	TIMED			

2.3 Aspect

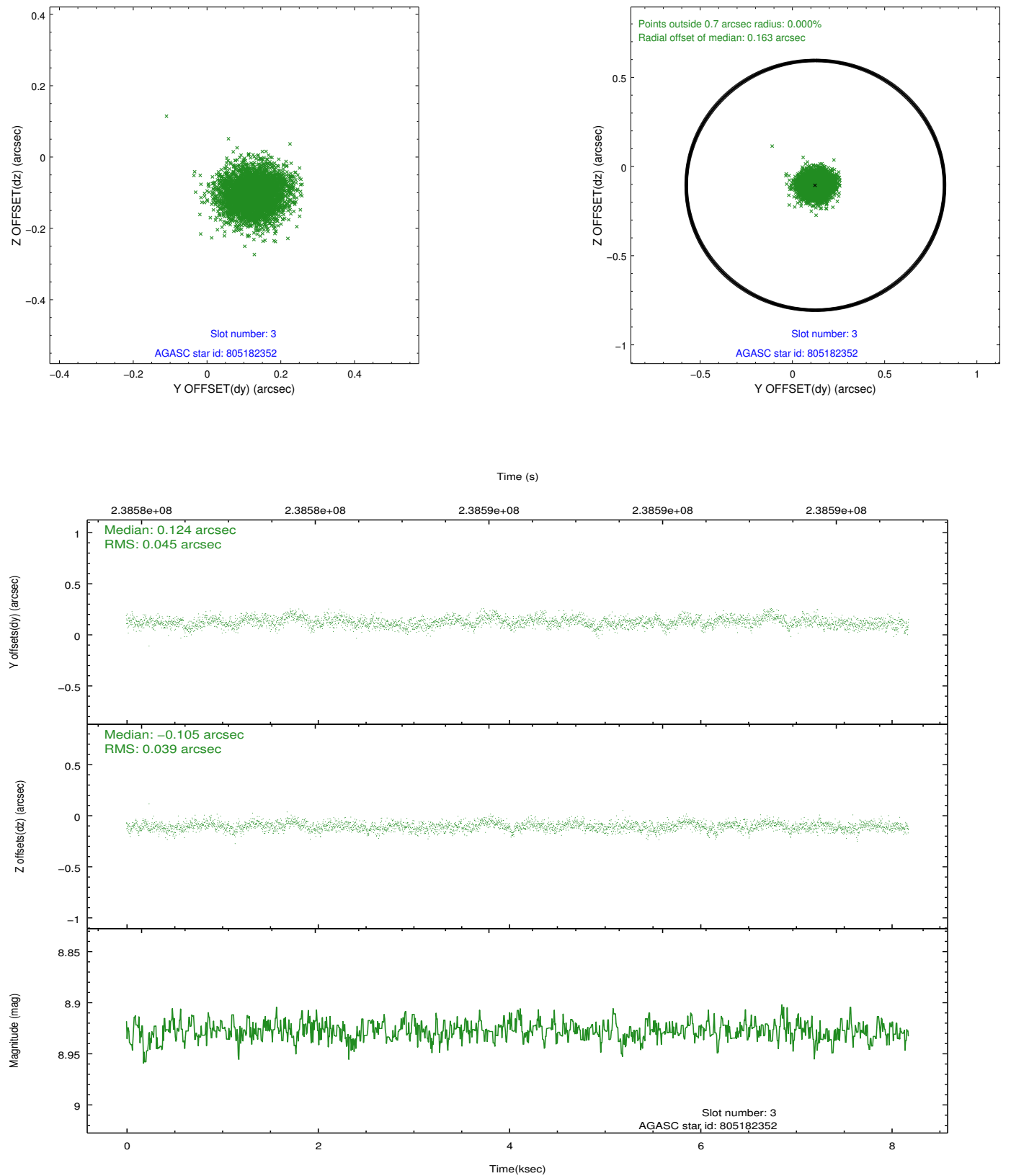


Slot Statistics

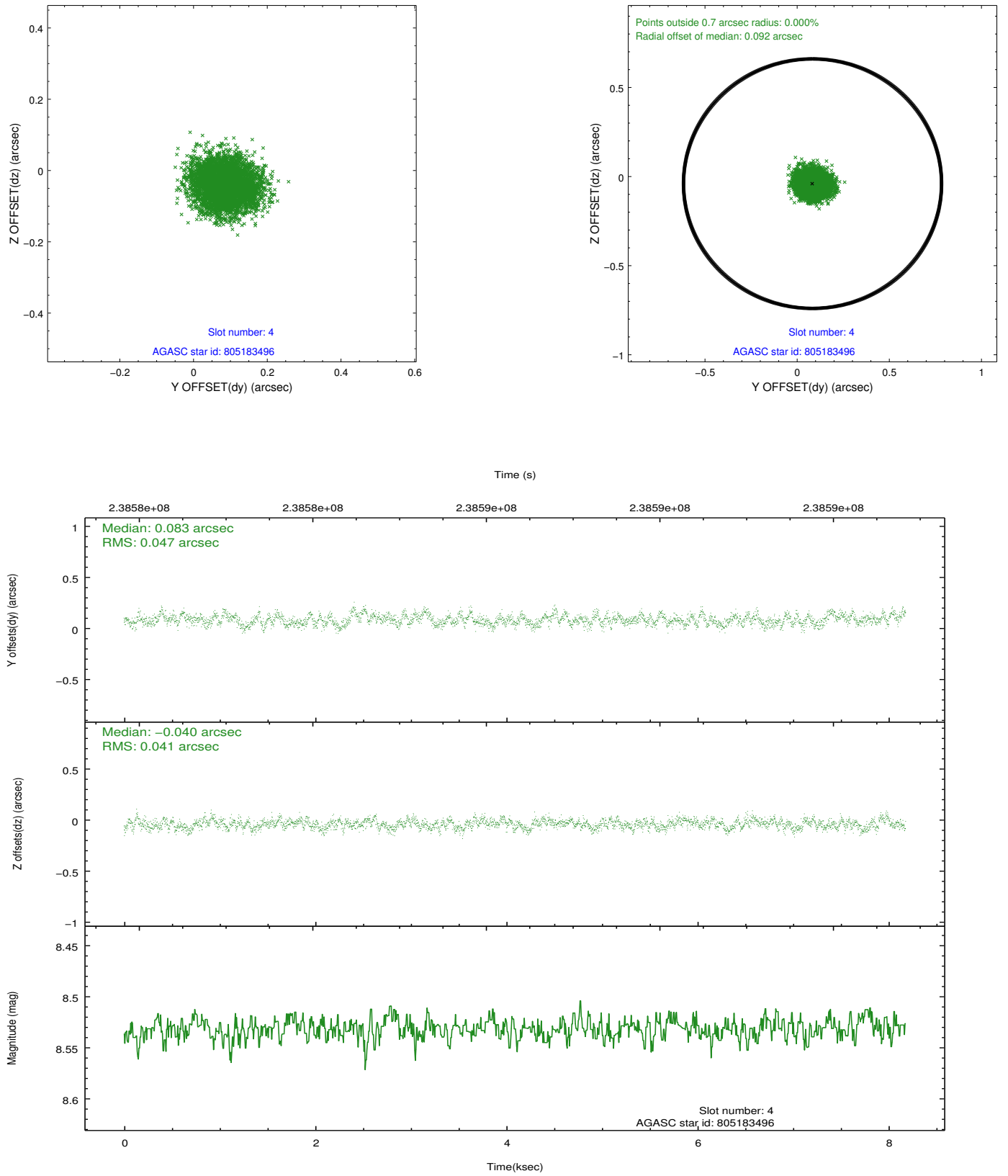
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1995	-0.071	-0.029	0.007	0.010	0.000000	0.000000	-758.97	-1731.34
1	FID	ACIS-S-4	7.21	1995	0.110	0.042	0.006	0.011	0.000000	0.000000	2154.14	176.55
2	FID	ACIS-S-5	7.23	1995	-0.071	-0.004	0.006	0.010	0.000000	0.000000	-1810.97	170.89
3	GUIDE	805182352	8.93	3989	0.124	-0.105	0.063	0.104	214.624580	-17.686015	1838.34	-668.17
4	GUIDE	805183496	8.53	3989	0.083	-0.040	0.068	0.105	214.568748	-17.733891	2063.69	-794.41
5	GUIDE	805185120	8.60	3987	-0.032	0.006	0.061	0.103	215.253528	-17.793163	1514.02	1498.34
6	GUIDE	805187072	8.72	3989	-0.091	0.088	0.065	0.105	215.513645	-17.149952	-965.74	1609.86
7	GUIDE	805188160	8.97	3989	-0.089	0.053	0.073	0.114	215.356854	-16.987214	-1350.48	912.12

2.4 Star Slots

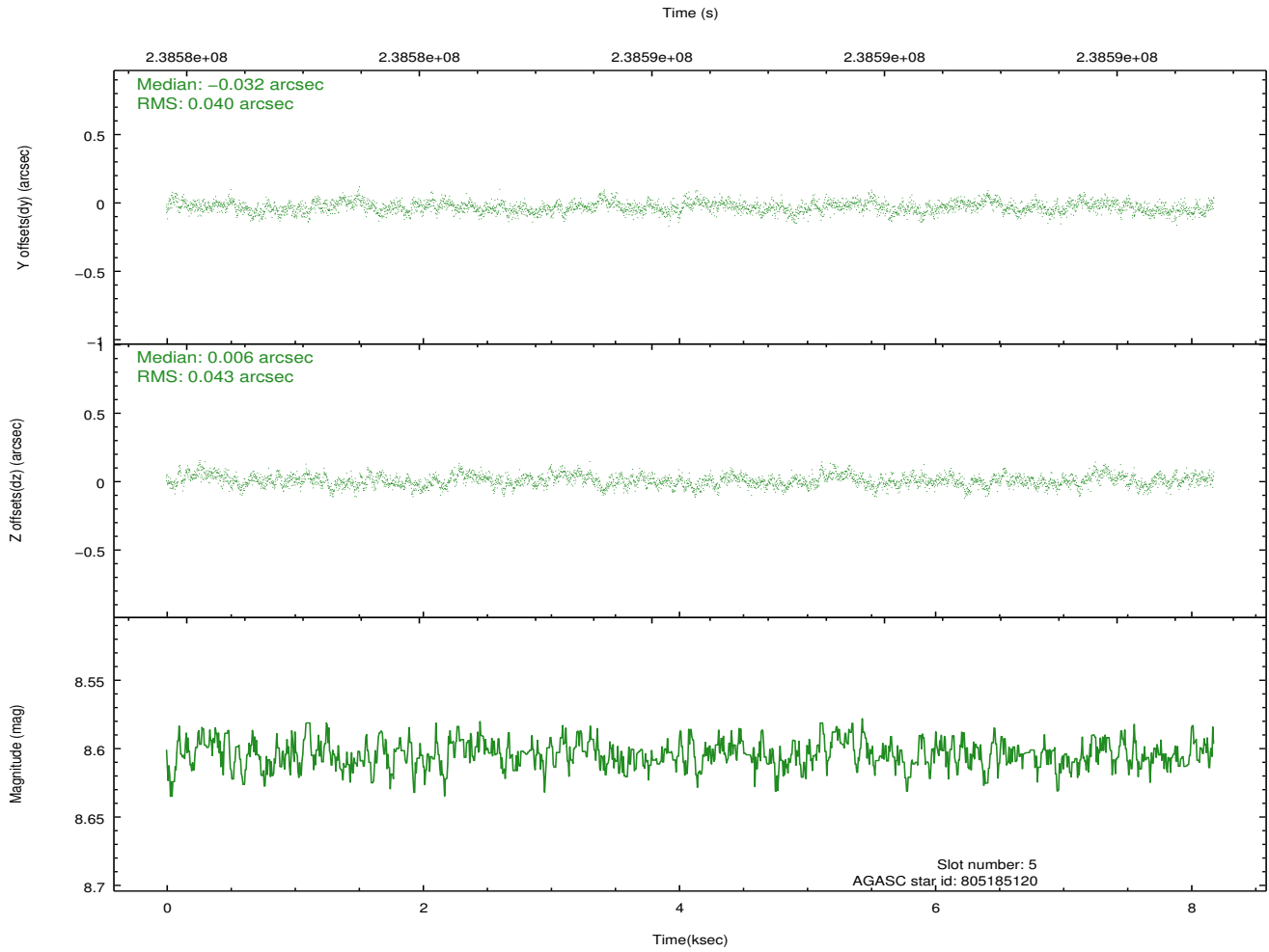
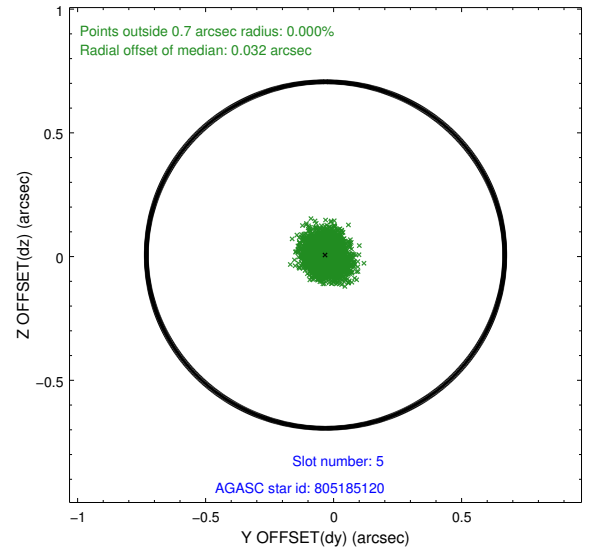
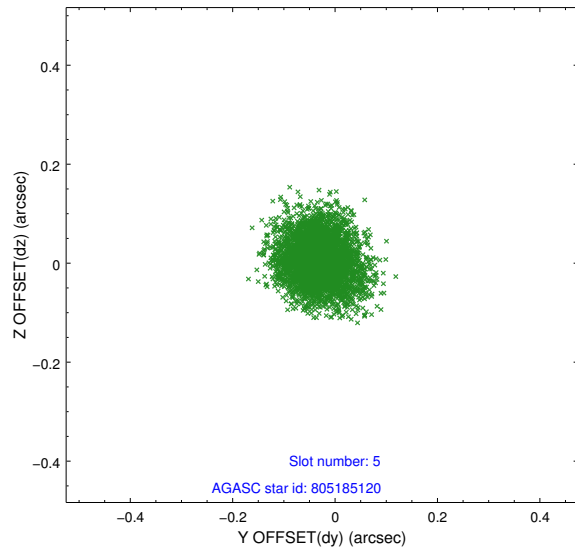
2.4.1 Slot 3



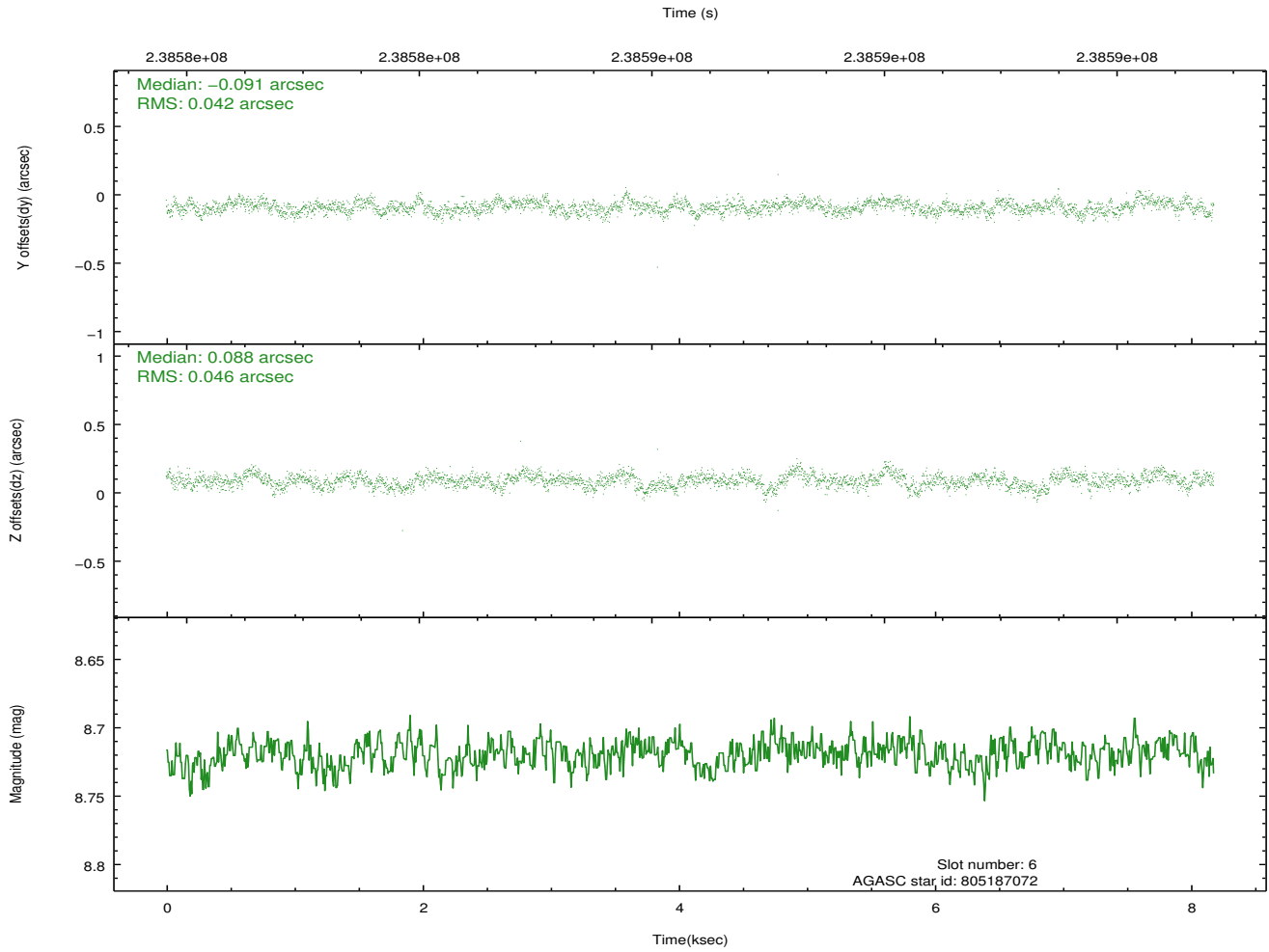
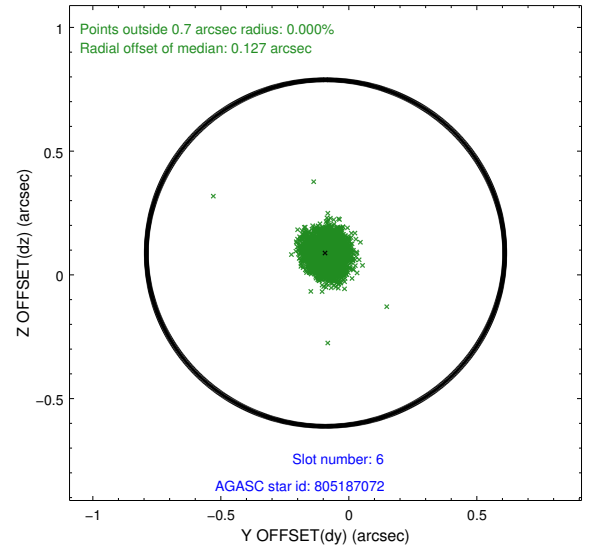
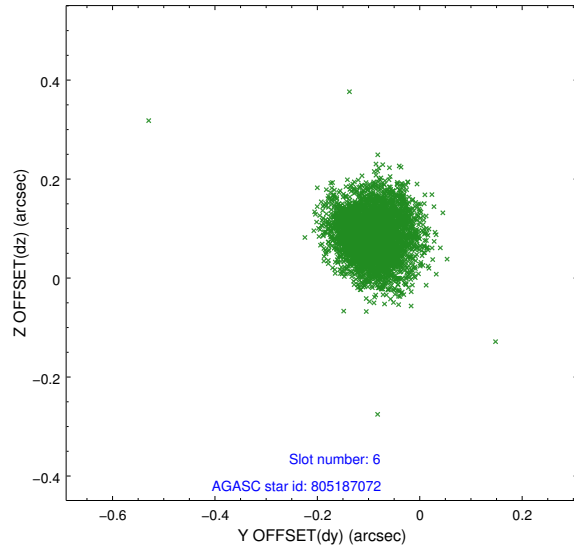
2.4.2 Slot 4



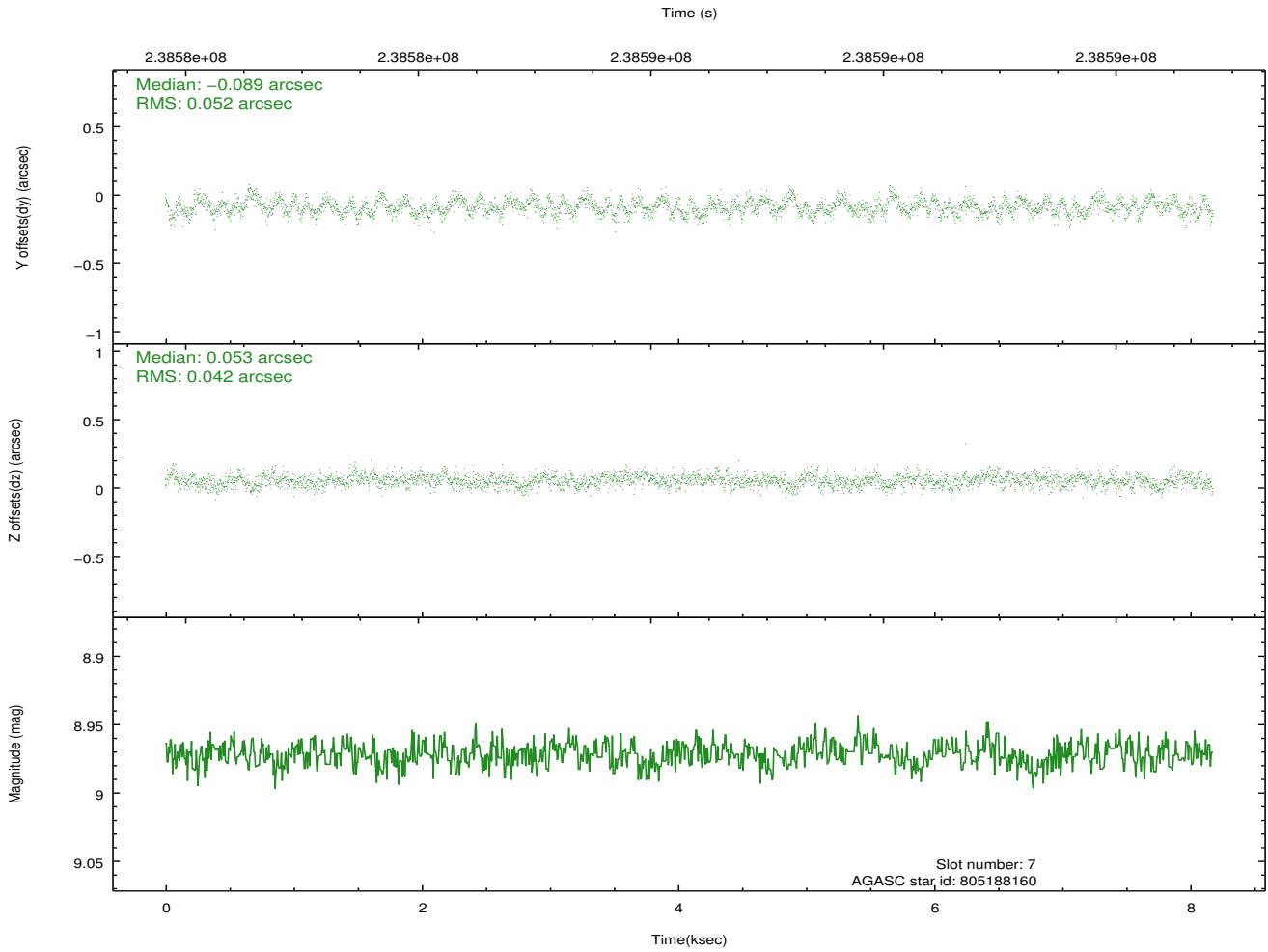
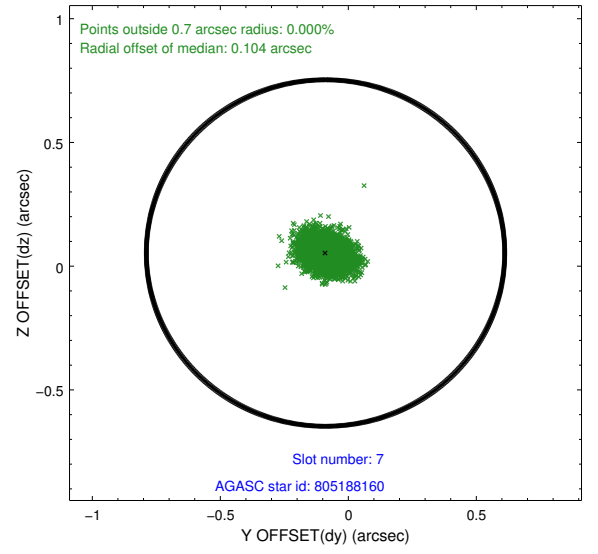
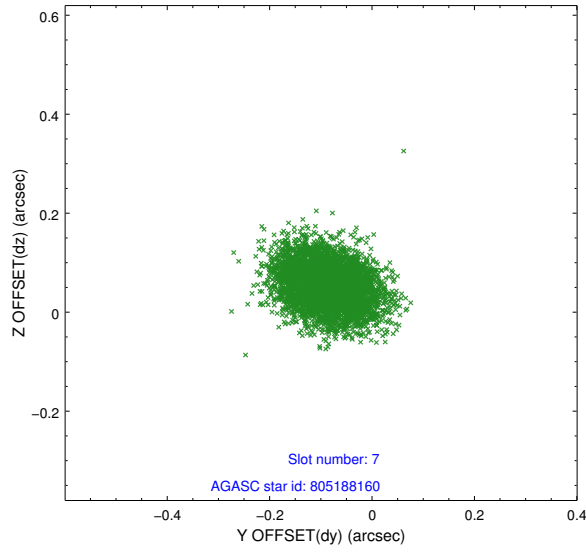
2.4.3 Slot 5



2.4.4 Slot 6

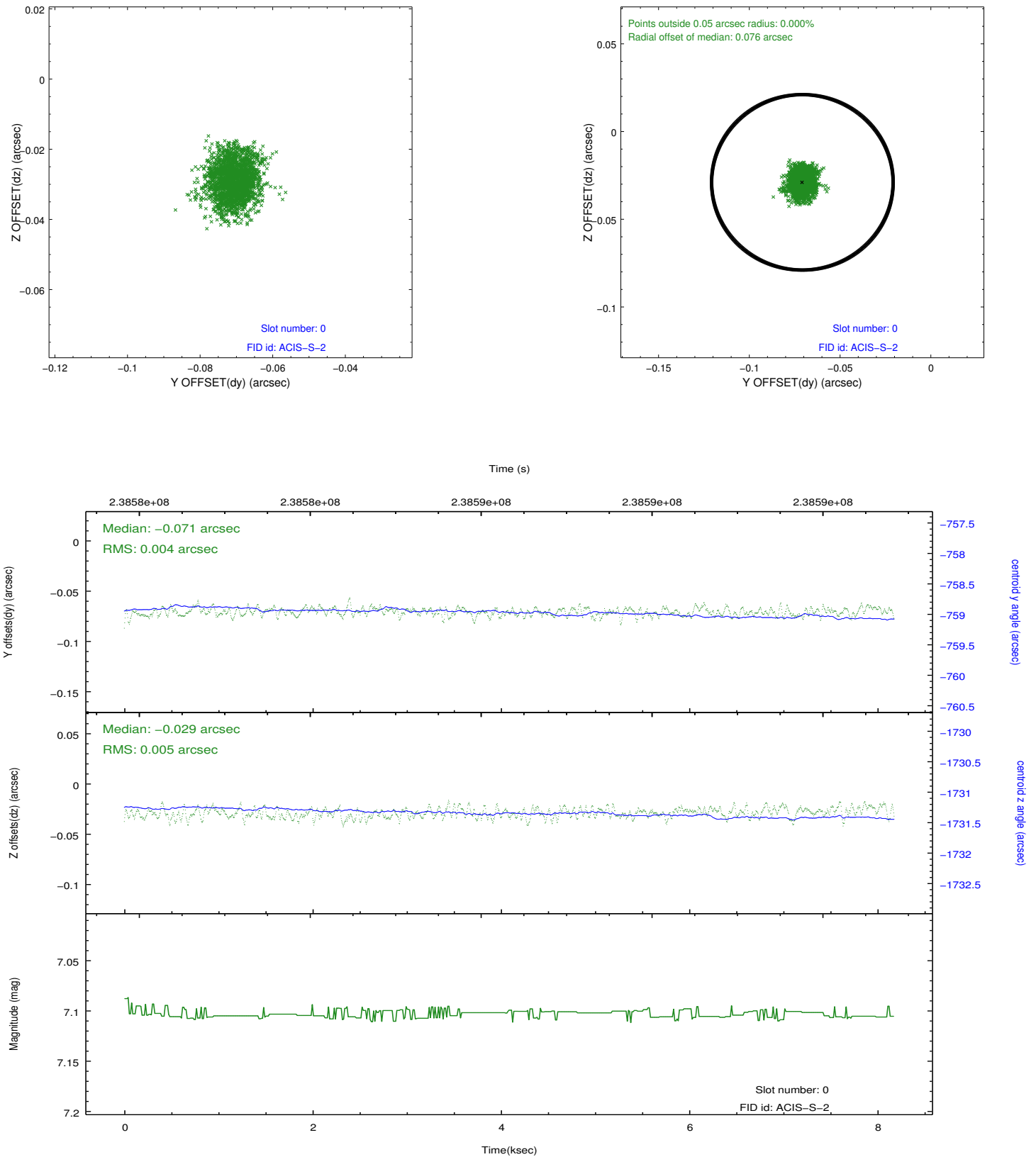


2.4.5 Slot 7

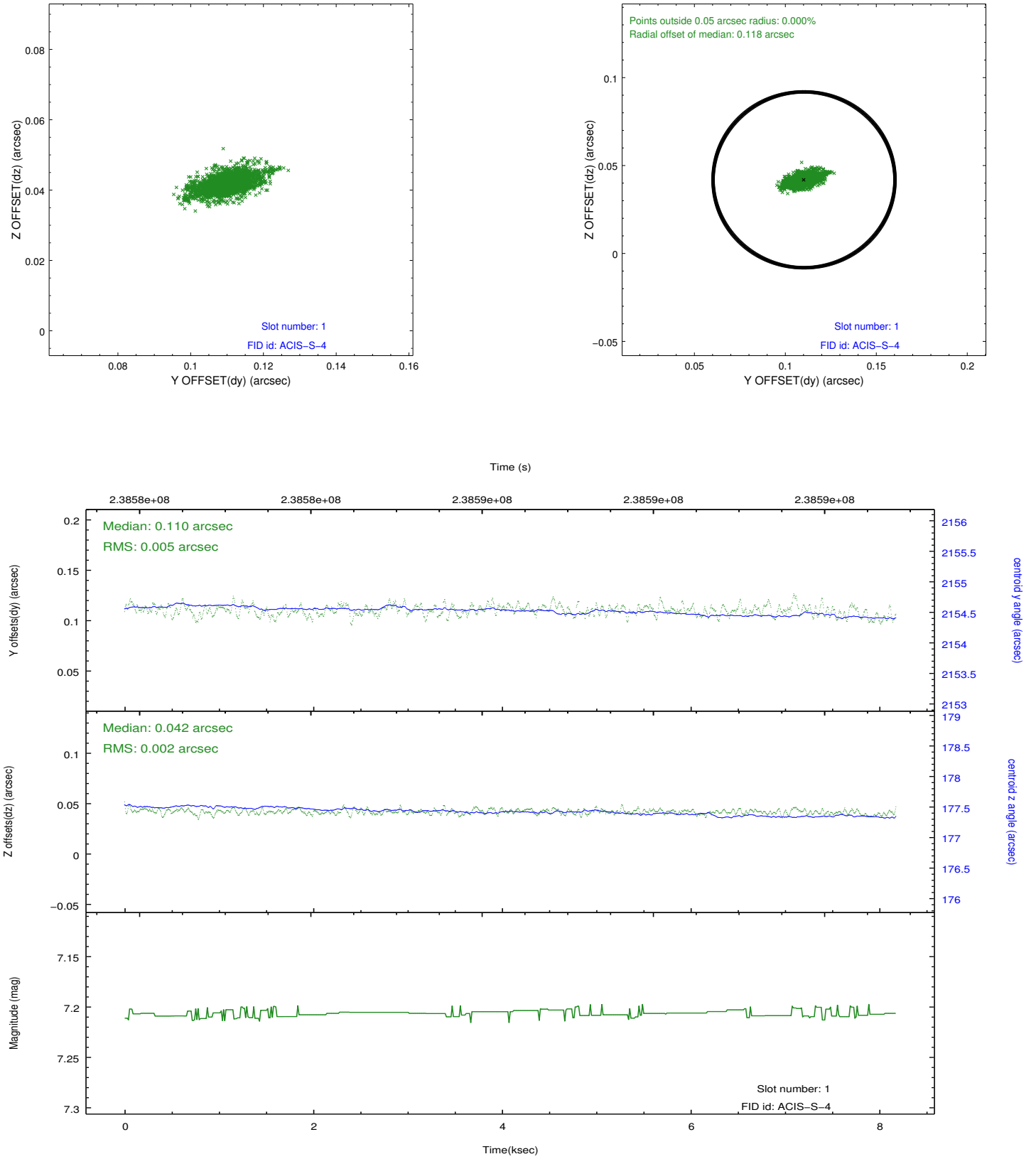


2.5 FID Slots

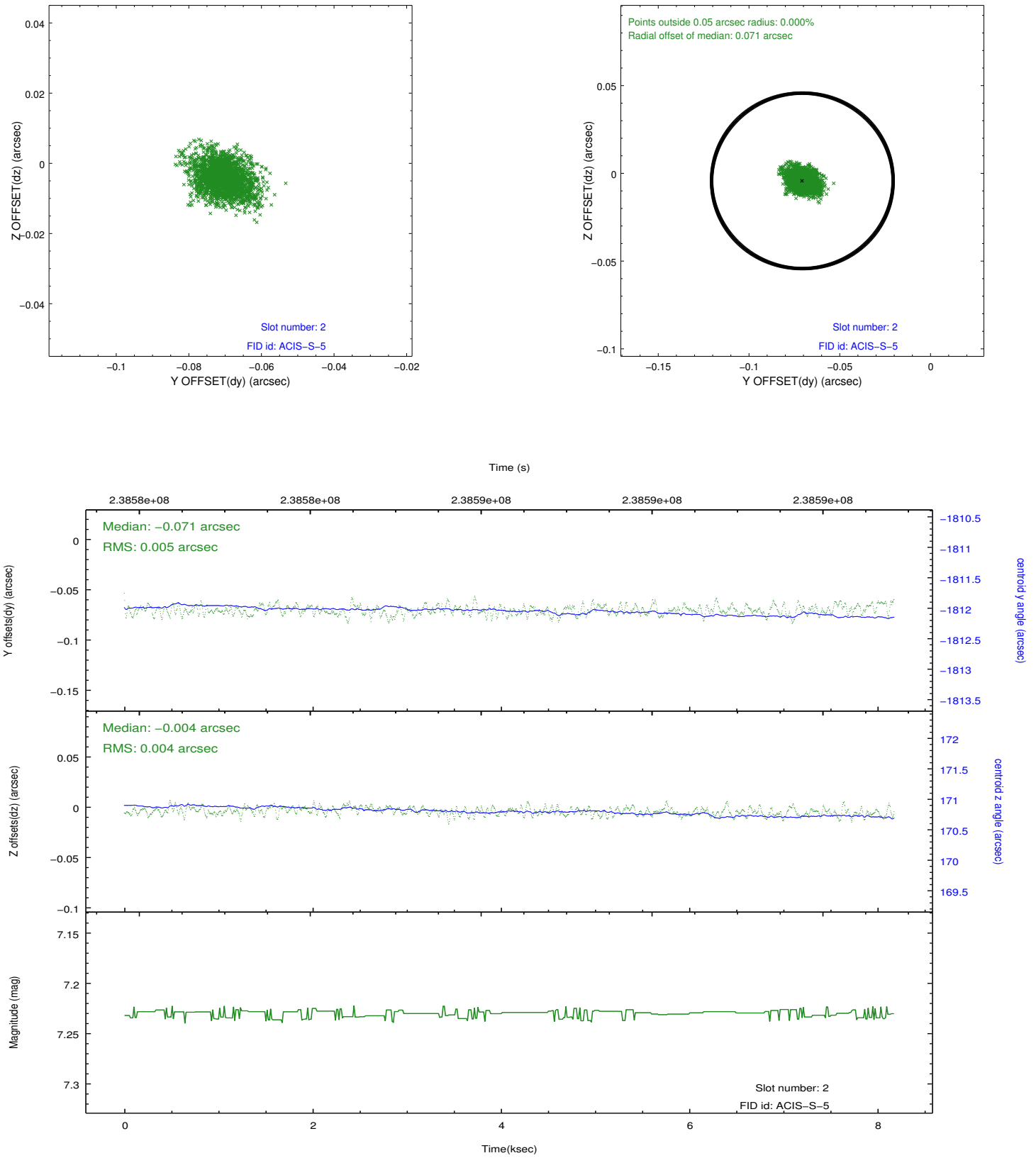
2.5.1 Slot 0



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)	2013.01.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.507632

A.2 Comments

Charge time for this ObsId remains at previous value of 8.507632 ks although with the current processing the charge time would have been 8.18 ksec.

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Window constraint satisfied. 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.