

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 5367 - L2 Version 3
Chandra X-Ray Center

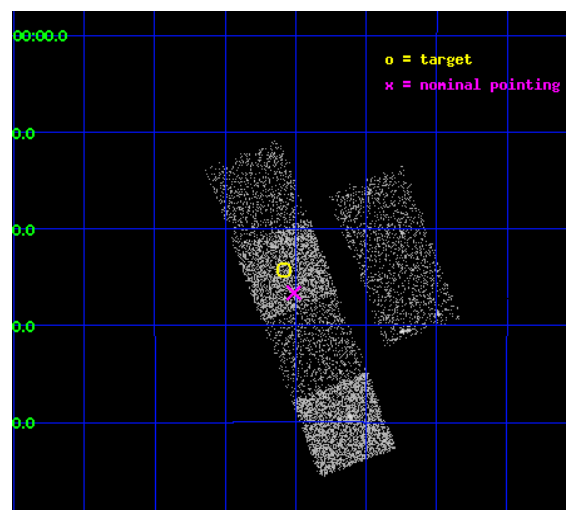
L2 Processing Date : Dec 25 2012

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1 Front

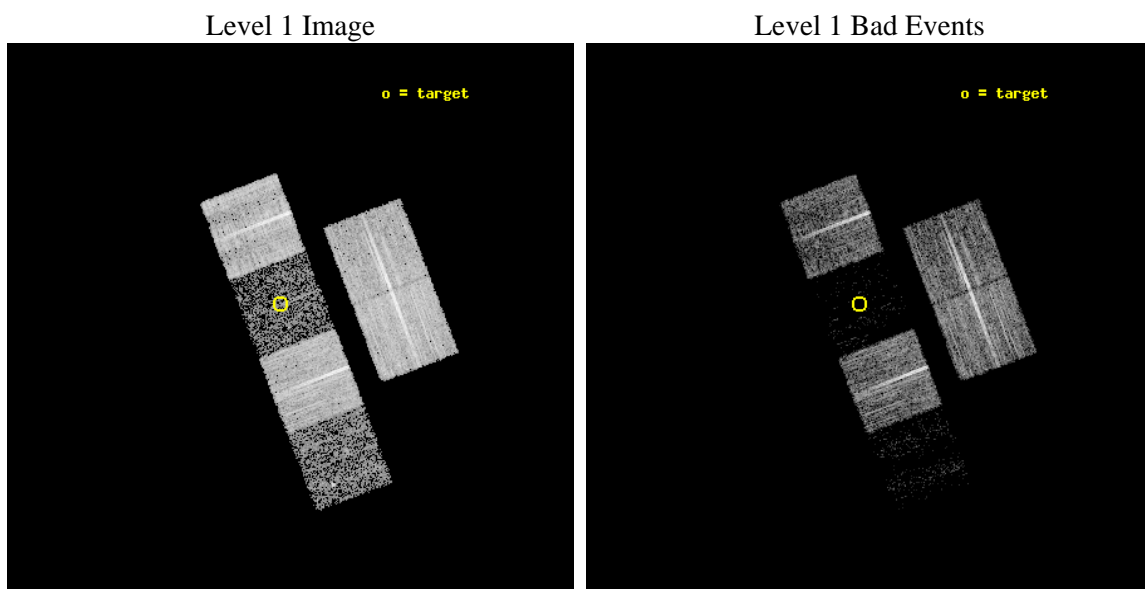
seq_num	100055	Sequence number
obs_id	5367	Observation id
title	Comet 9P/Tempel 1 During the Deep Impact Encounter	Proposal title
observer	Dr. Carey Lisse	Principal investigator
object	9P/Tempel 1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	205.395389	Observer's specified target RA [deg]
dec_targ	-10.404287	Observer's specified target Dec [deg]
ra_nom	205.3781903564	Nominal RA [deg]
dec_nom	-10.443714339218	Nominal Dec [deg]
roll_nom	249.11012339667	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8083.1999698877	Sum of GTIs [s]
livetime	7980.8456247503	Livetime [s]
ontime2	8083.1999698877	Sum of GTIs [s]
ontime3	8083.1999698877	Sum of GTIs [s]
ontime5	8083.1999698877	Sum of GTIs [s]
ontime6	8083.1999698877	Sum of GTIs [s]
ontime7	8083.1999698877	Sum of GTIs [s]
ontime8	8083.1999698877	Sum of GTIs [s]
l2events	11218	Number of level 2 events



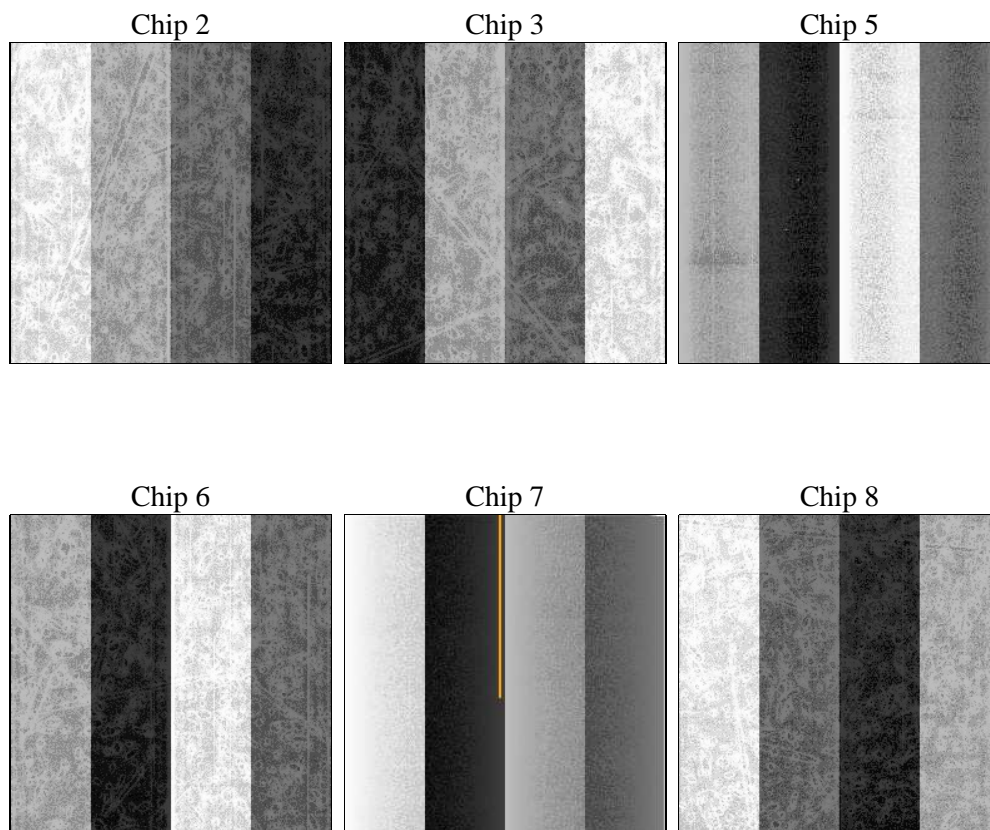
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7900.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	8083.1999698877	Sum of GTIs [s]
caldsver	4.5.5	 	ontime2	8083.1999698877	Sum of GTIs [s]
date	2012-12-25T21:30:03	Date and time of file creation	ontime3	8083.1999698877	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	8083.1999698877	Sum of GTIs [s]
			ontime6	8083.1999698877	Sum of GTIs [s]
			ontime7	8083.1999698877	Sum of GTIs [s]
			ontime8	8083.1999698877	Sum of GTIs [s]
			l1events	168012	Number of level 1 events

2.1.4 Events

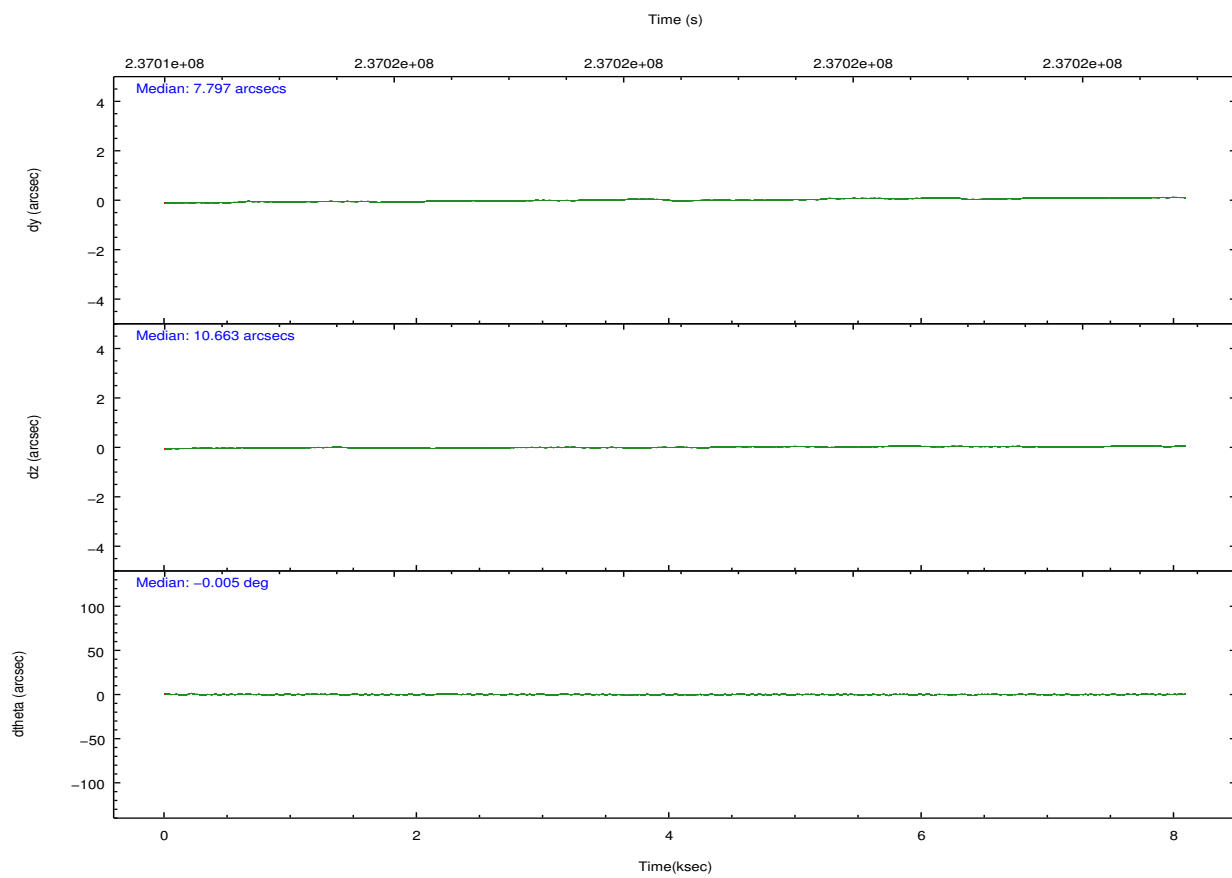
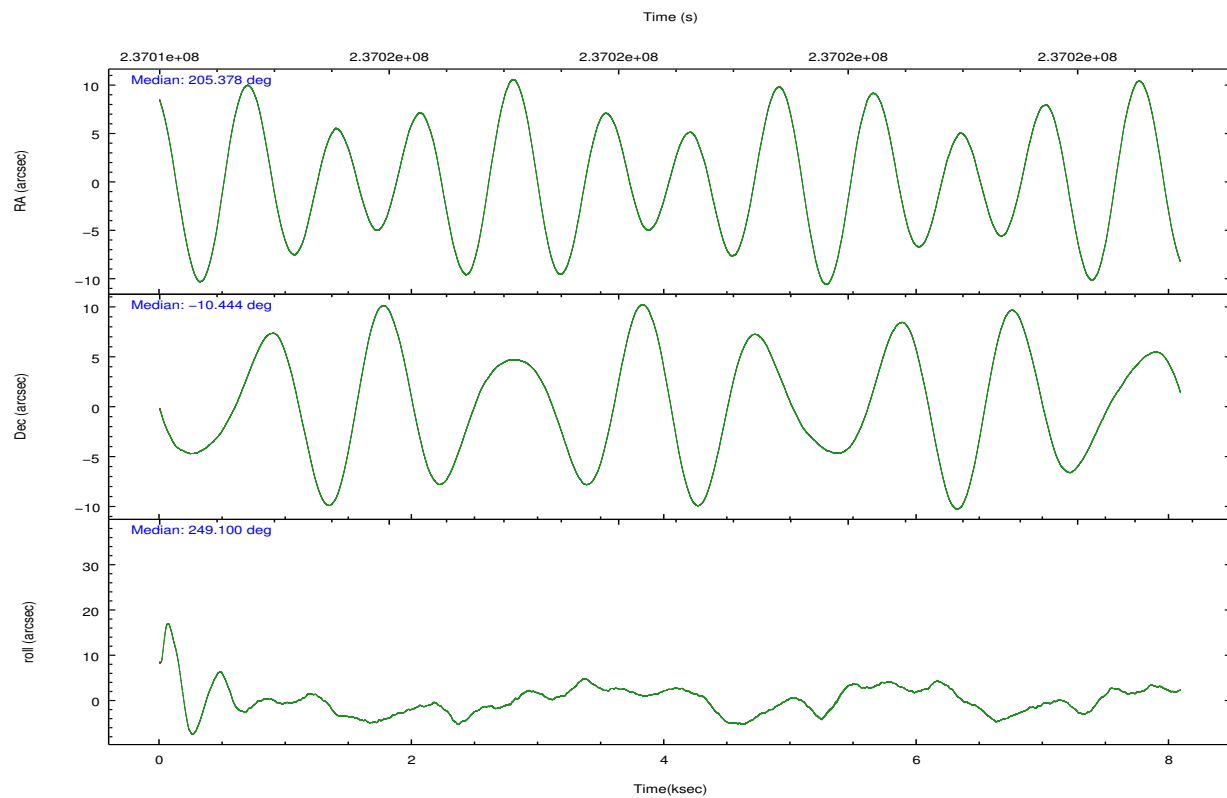
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	43919	34962	6610	37322	4856	40343
rejected events	42080	33753	2150	35790	1131	29642
rejected %	95%	96%	32%	95%	23%	73%

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	799	570	1327	734	1040	2972
	1%	1%	20%	1%	21%	7%
grade 1 events	17	12	52	9	23	24
	0%	0%	0%	0%	0%	0%
grade 2 events	426	155	1641	288	1205	2412
	0%	0%	24%	0%	24%	5%
grade 3 events	213	206	537	221	566	1317
	0%	0%	8%	0%	11%	3%
grade 4 events	255	178	544	233	523	1186
	0%	0%	8%	0%	10%	2%
grade 5 events	43	32	368	31	157	220
	0%	0%	5%	0%	3%	0%
grade 6 events	193	119	507	101	477	3065
	0%	0%	7%	0%	9%	7%
grade 7 events	41973	33690	1634	35705	865	29147
	95%	96%	24%	95%	17%	72%

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	205.373429	205.3781903564034	Subarray requested	NONE	NONE
[deg] Pointing Dec	-10.416880	-10.44371433921787	Alternating exposures requested	N	N
[deg] Pointing Roll	248.952657	249.1101233966713	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	236966464.184000	236966464.184000			
[s] Window stop time (MET)	237031264.184000	237031264.184000			
[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)	237014596.184000	237014220.19259			
Observation start date	2005-07-06T05:22:12	2005-07-06T05:17:00			
[s] Observation end time (MET)	237022496.184000	237023443.14301			
Observation end date	2005-07-06T07:33:52	2005-07-06T07:50:43			
Read mode	TIMED	TIMED			

2.3 Aspect

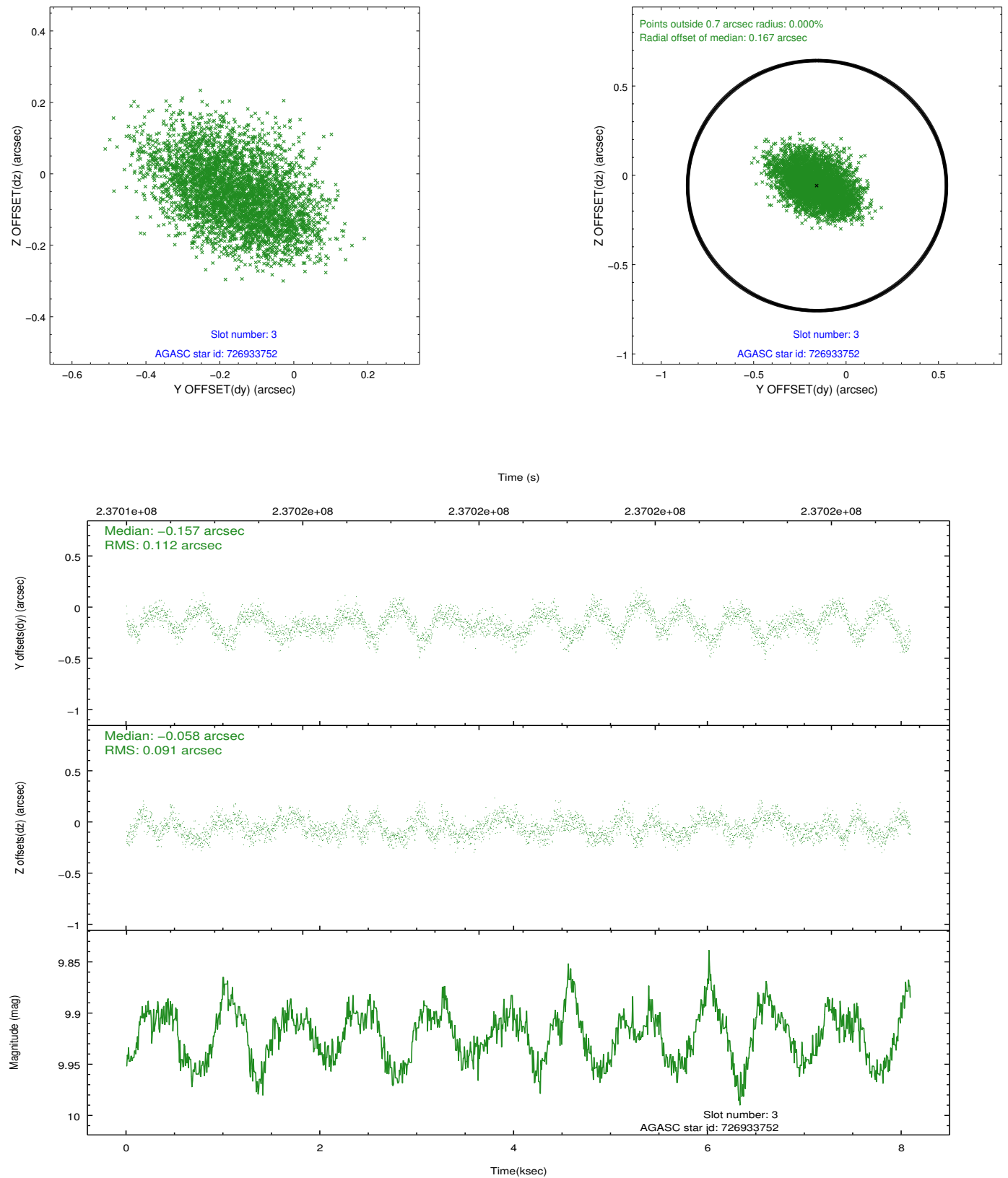


Slot Statistics

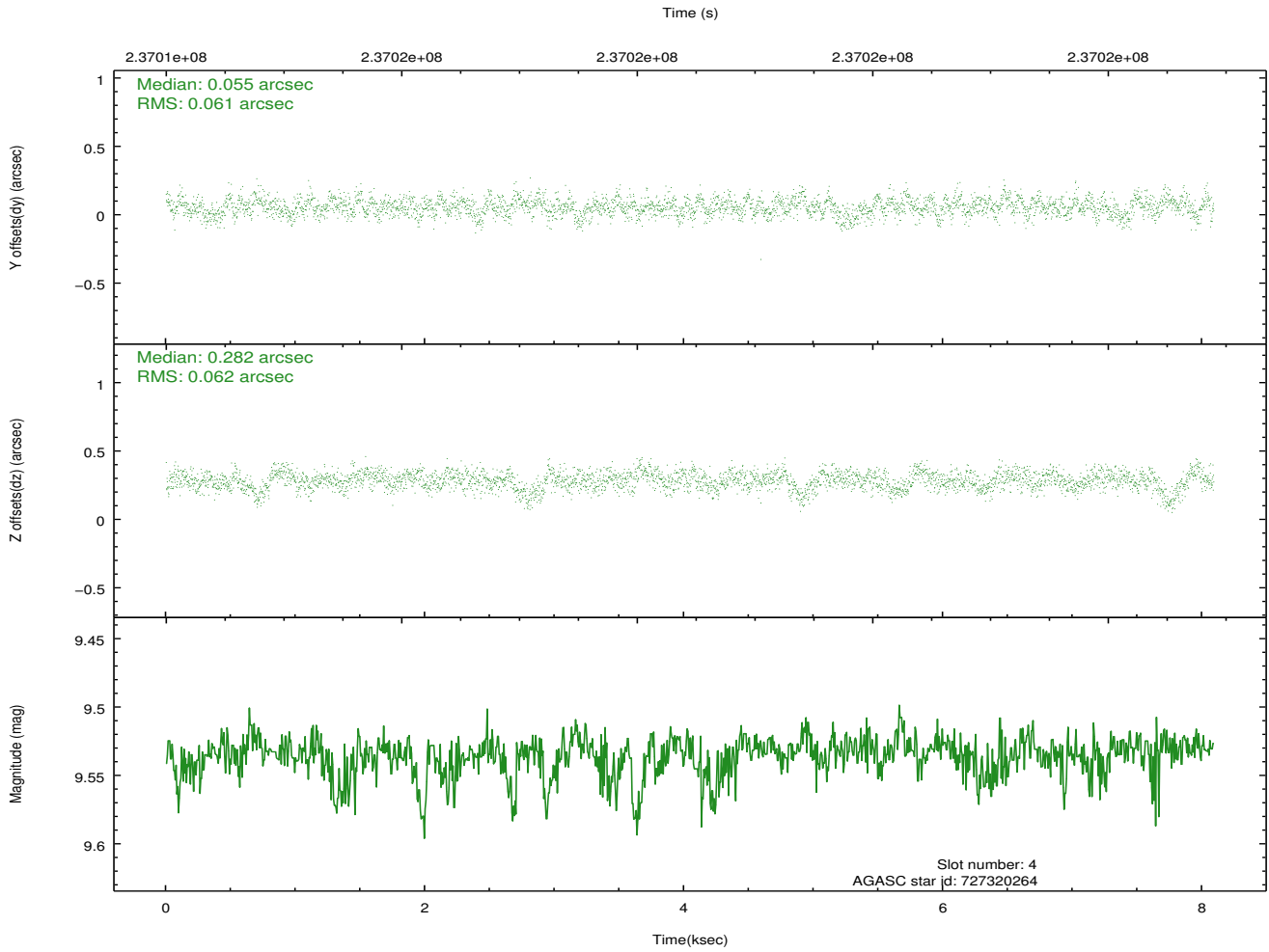
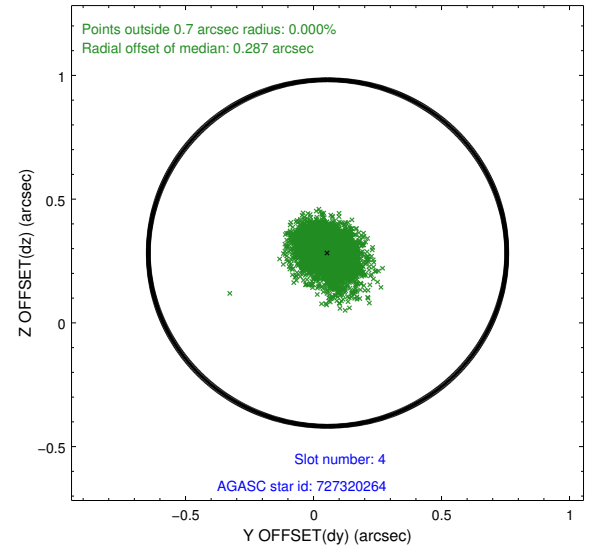
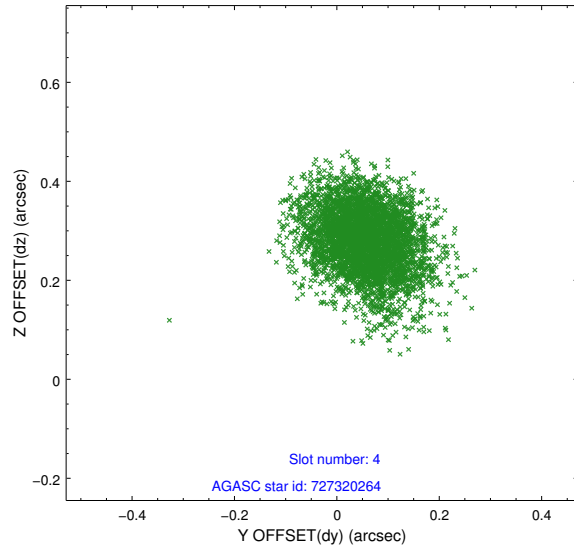
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1974	-0.046	-0.015	0.007	0.011	0.000000	0.000000	-760.58	-1731.96
1	FID	ACIS-S-4	7.20	1973	0.106	0.026	0.006	0.011	0.000000	0.000000	2152.49	175.91
2	FID	ACIS-S-5	7.23	1973	-0.092	-0.002	0.007	0.012	0.000000	0.000000	-1812.62	170.25
3	GUIDE	726933752	9.92	3941	-0.157	-0.058	0.156	0.245	205.376260	-9.946078	-1584.92	-599.83
4	GUIDE	727320264	9.53	3944	0.055	0.282	0.091	0.152	205.464326	-10.871323	1411.59	887.82
5	GUIDE	727321088	9.43	3946	0.285	-0.552	0.124	0.194	204.964296	-10.686432	1427.71	-1002.18
6	GUIDE	727321928	10.09	3936	-0.056	0.180	0.138	0.217	205.258401	-10.105722	-897.96	-783.13
7	GUIDE	727326472	10.09	3928	-0.113	0.153	0.165	0.287	205.620857	-10.902930	1319.21	1444.92

2.4 Star Slots

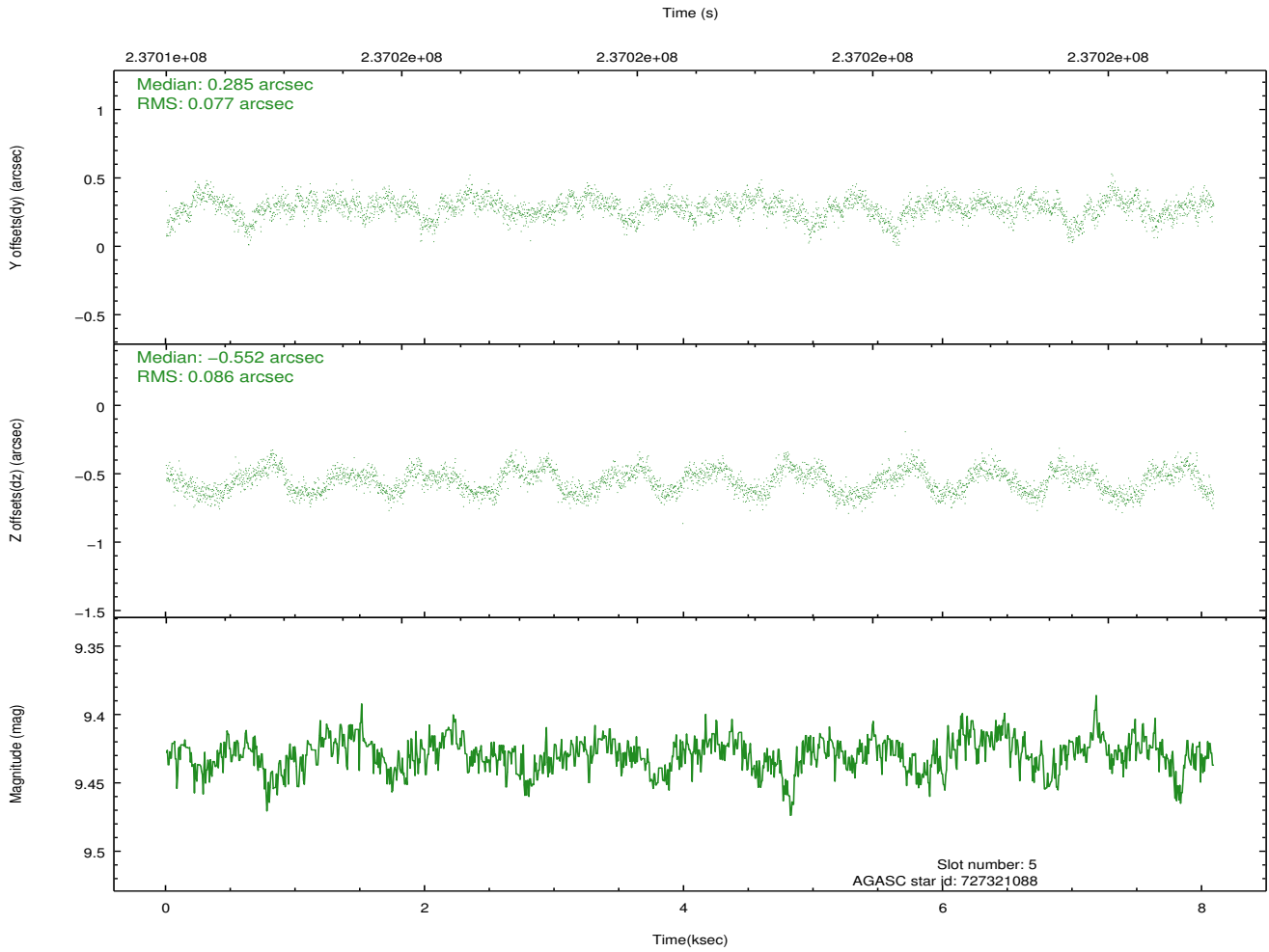
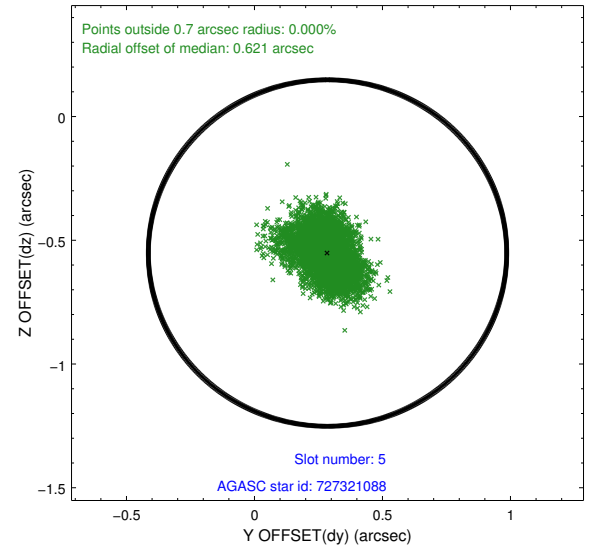
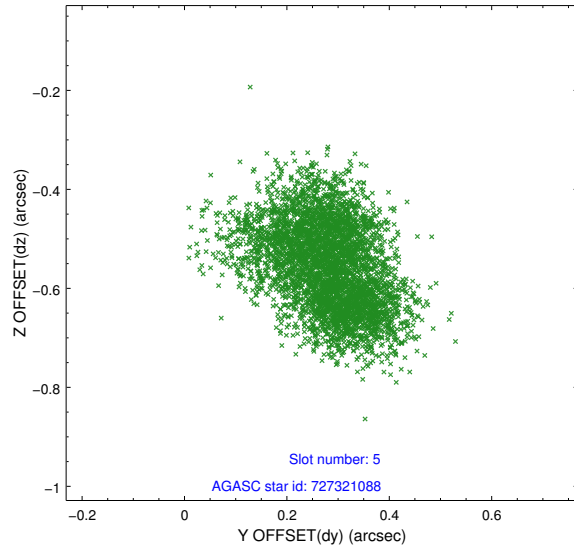
2.4.1 Slot 3



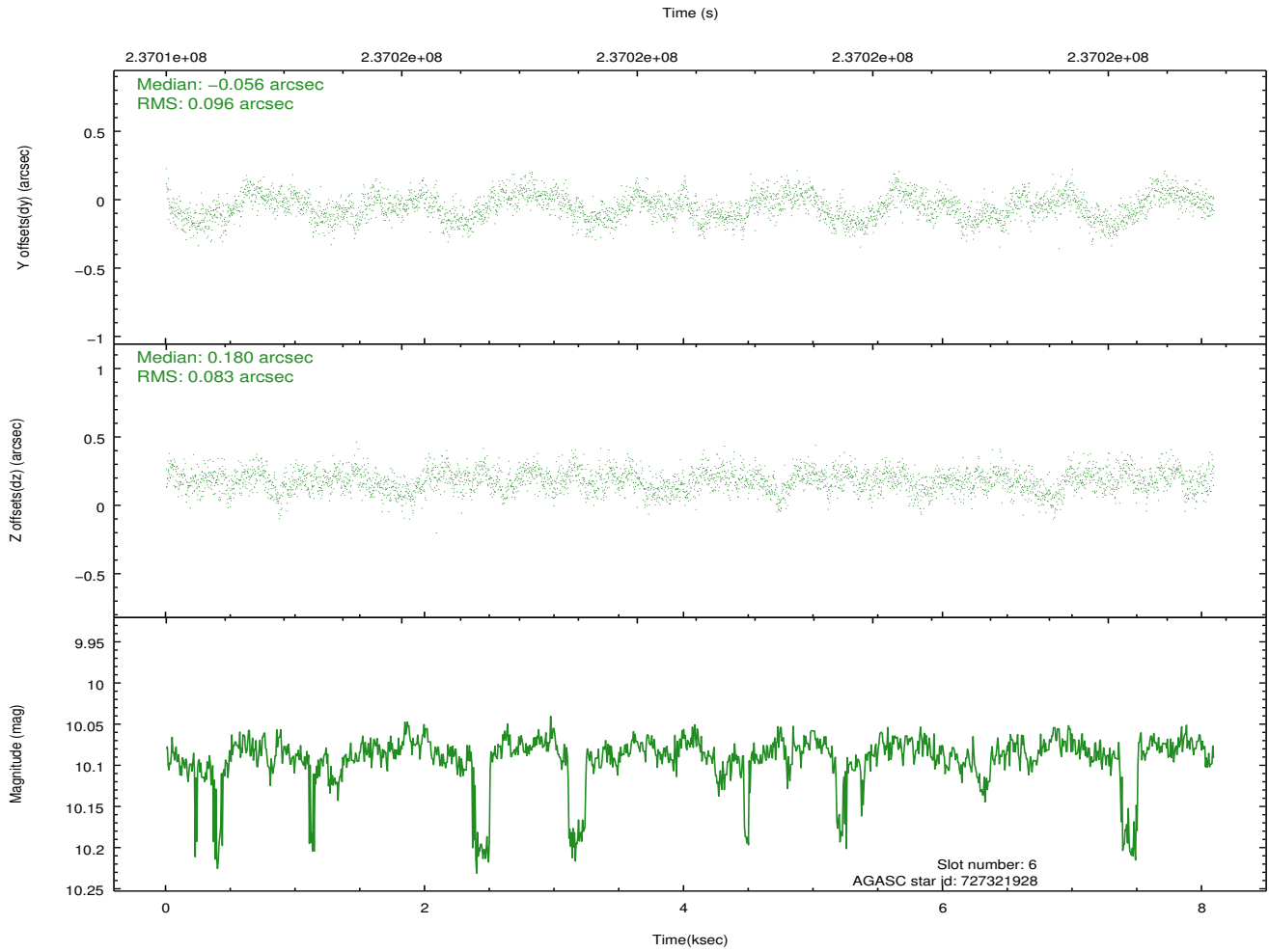
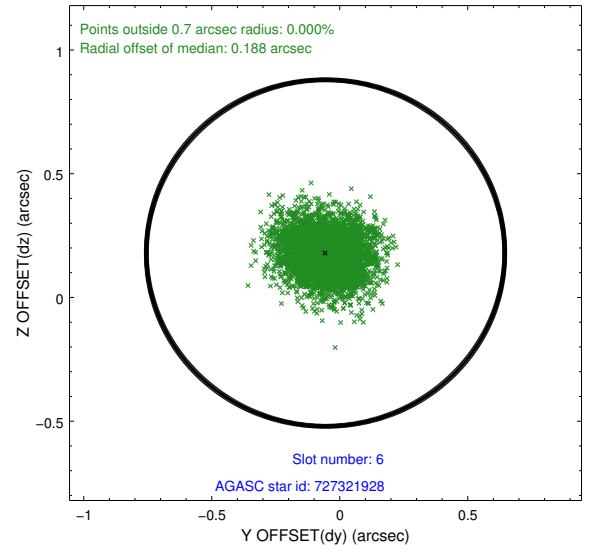
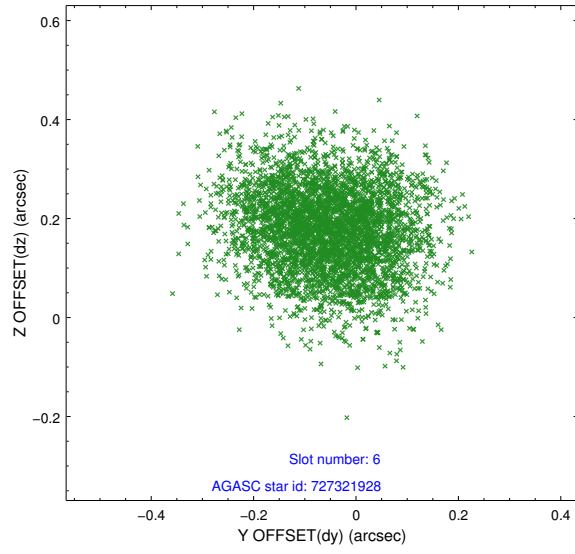
2.4.2 Slot 4



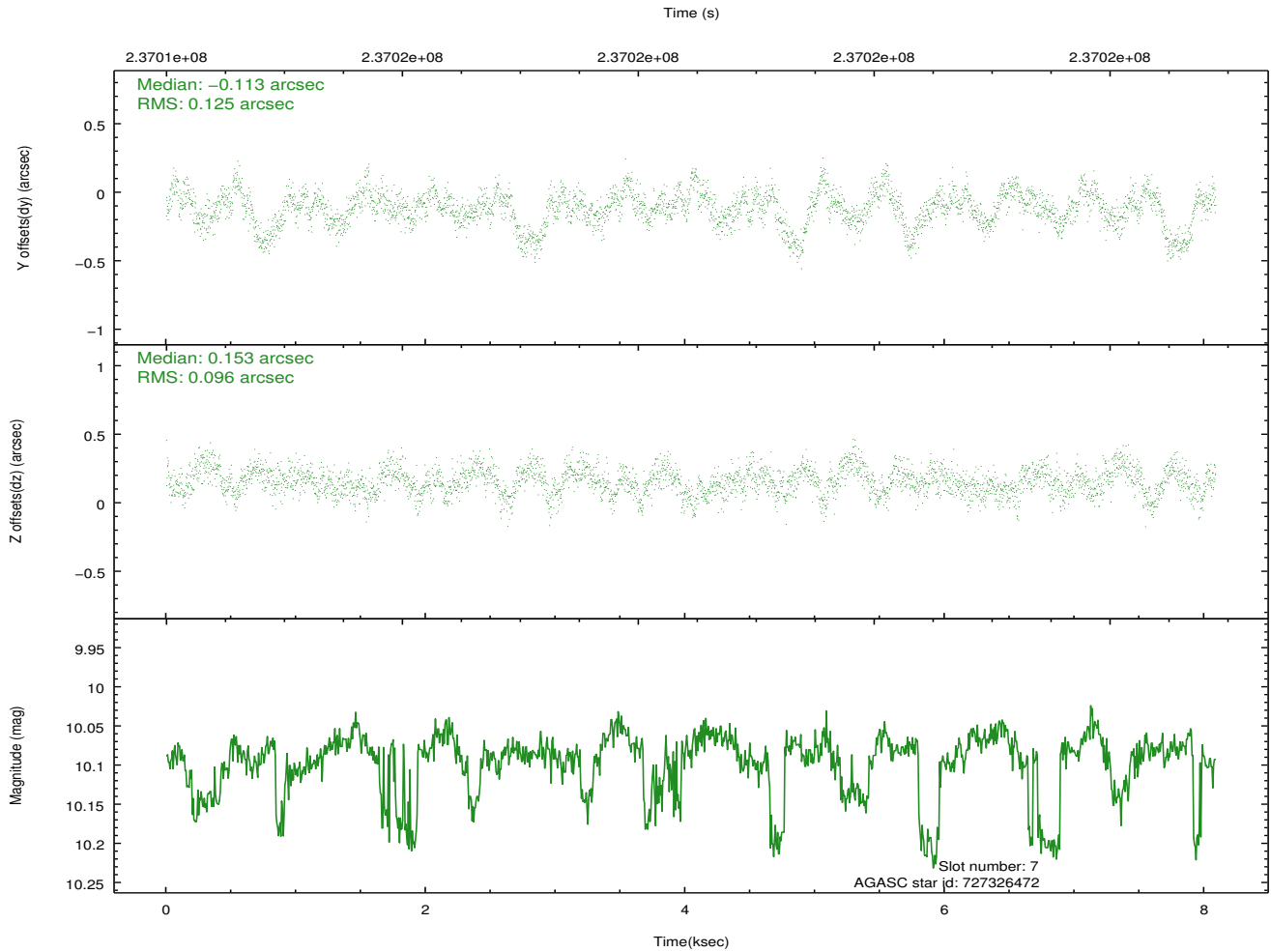
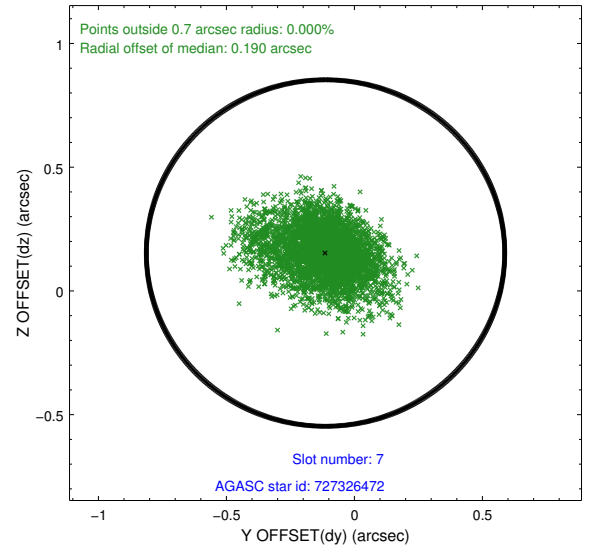
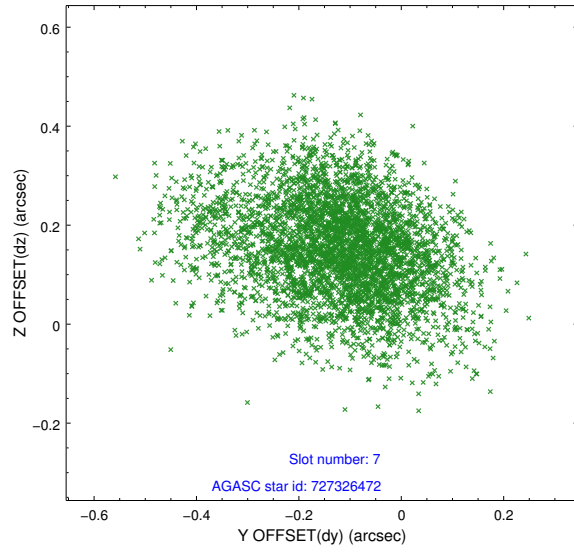
2.4.3 Slot 5



2.4.4 Slot 6

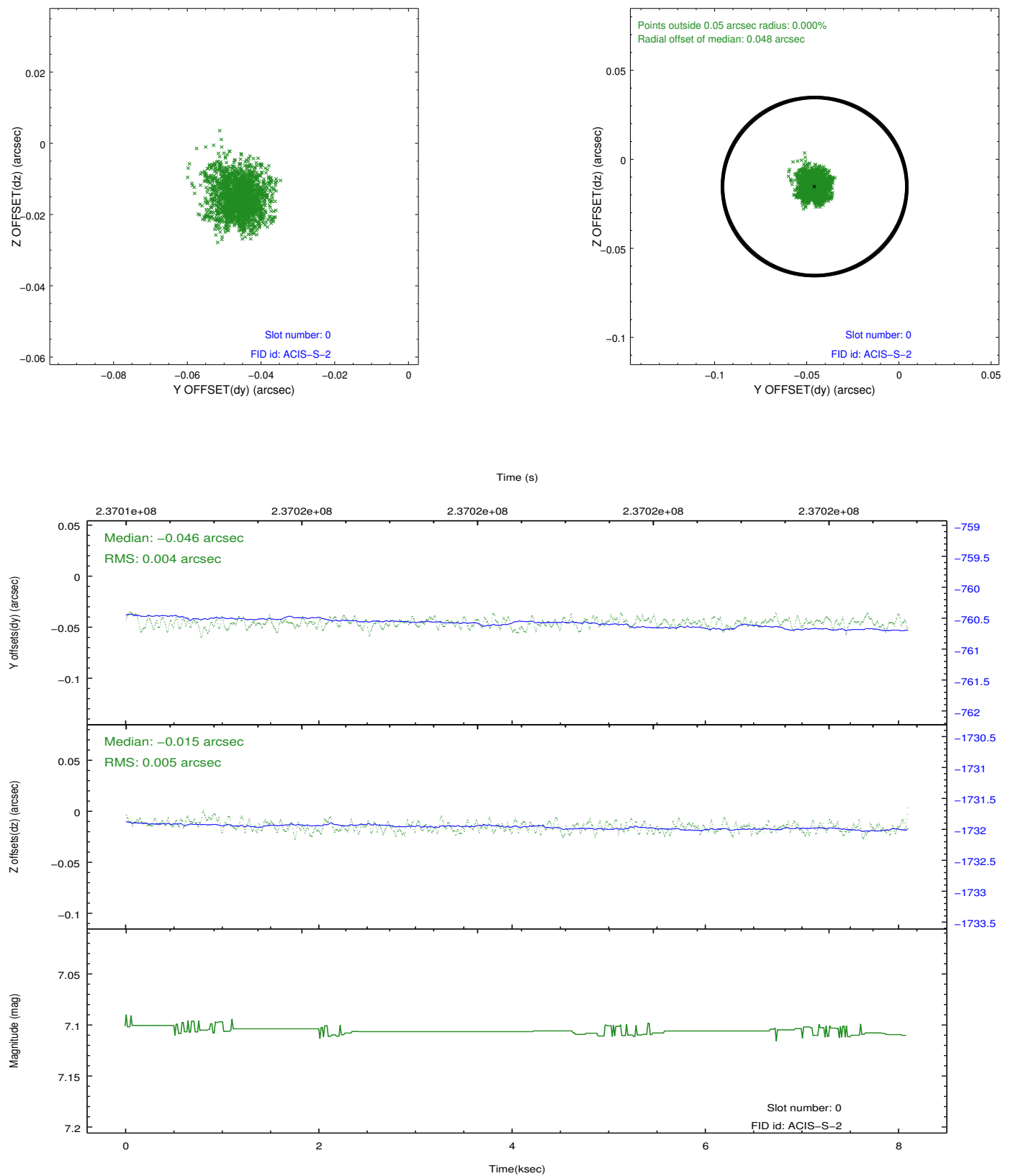


2.4.5 Slot 7

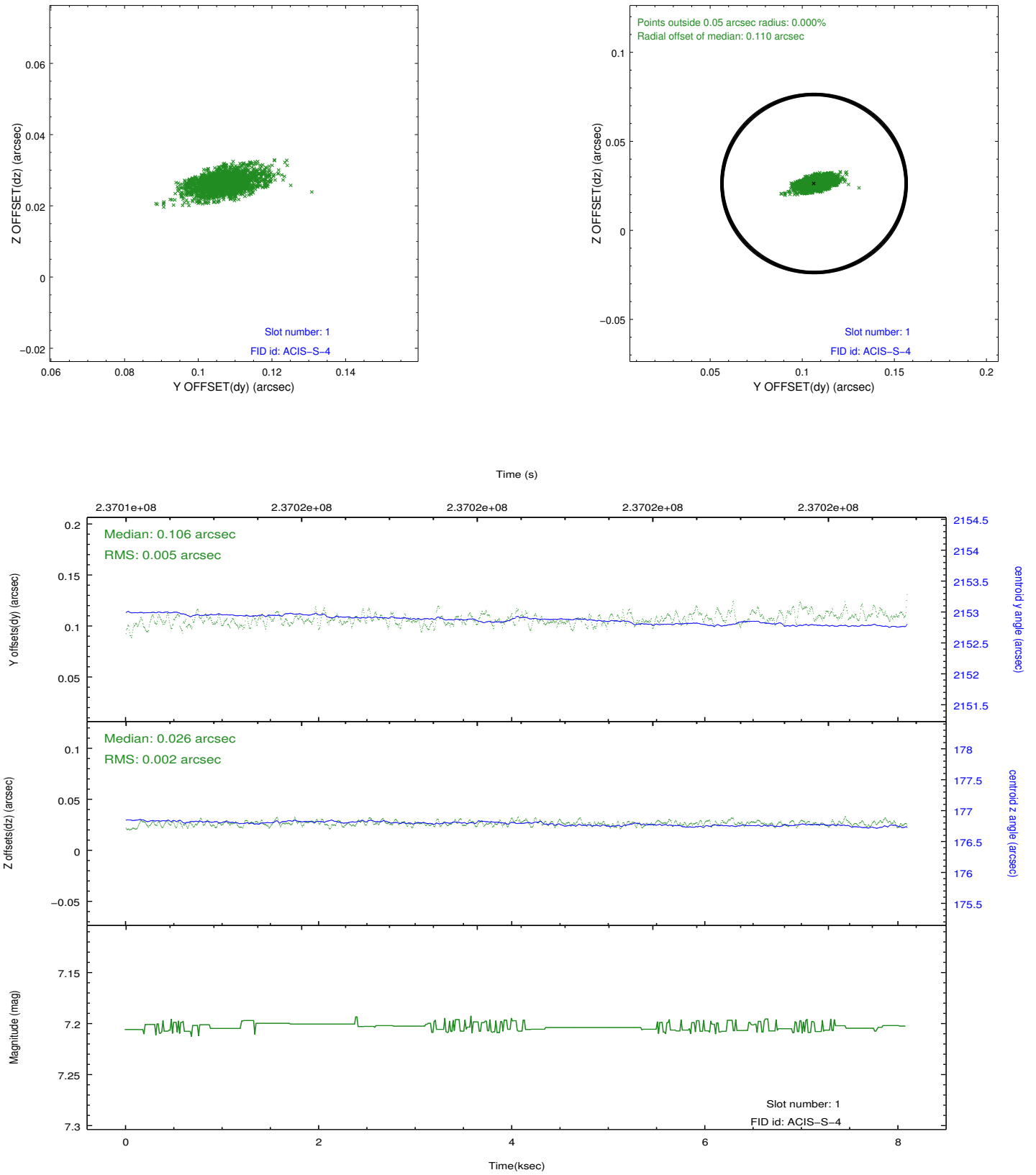


2.5 FID Slots

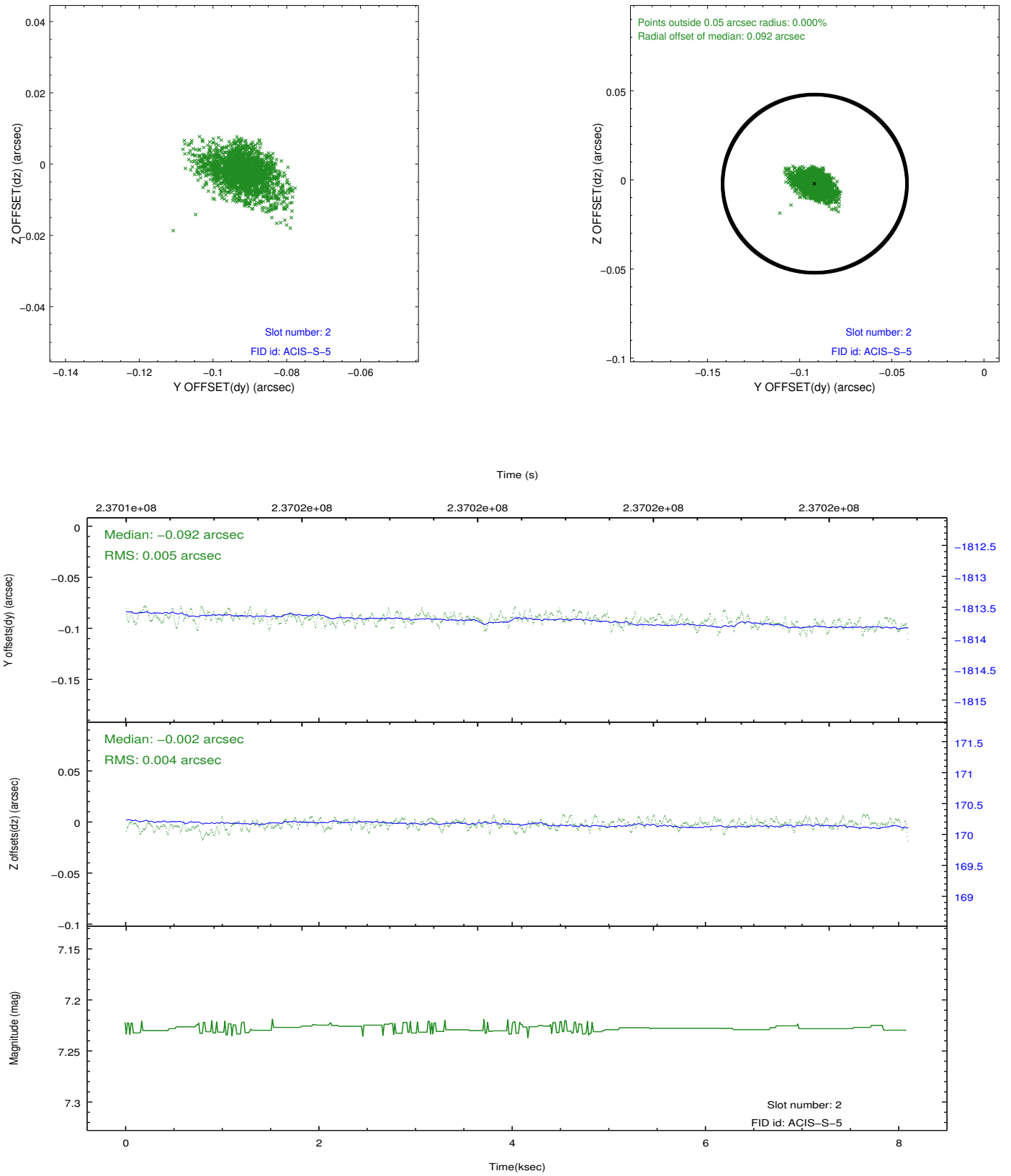
2.5.1 Slot 0



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)	2013.01.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.083199

A.2 Comments

Window preference met.