

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 17782 - L2 Version 1
Chandra X-Ray Center

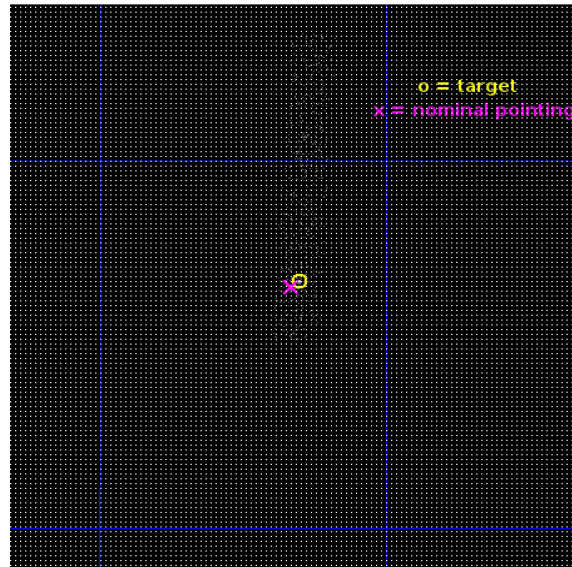
L2 Processing Date : Oct 3 2016

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1 Front

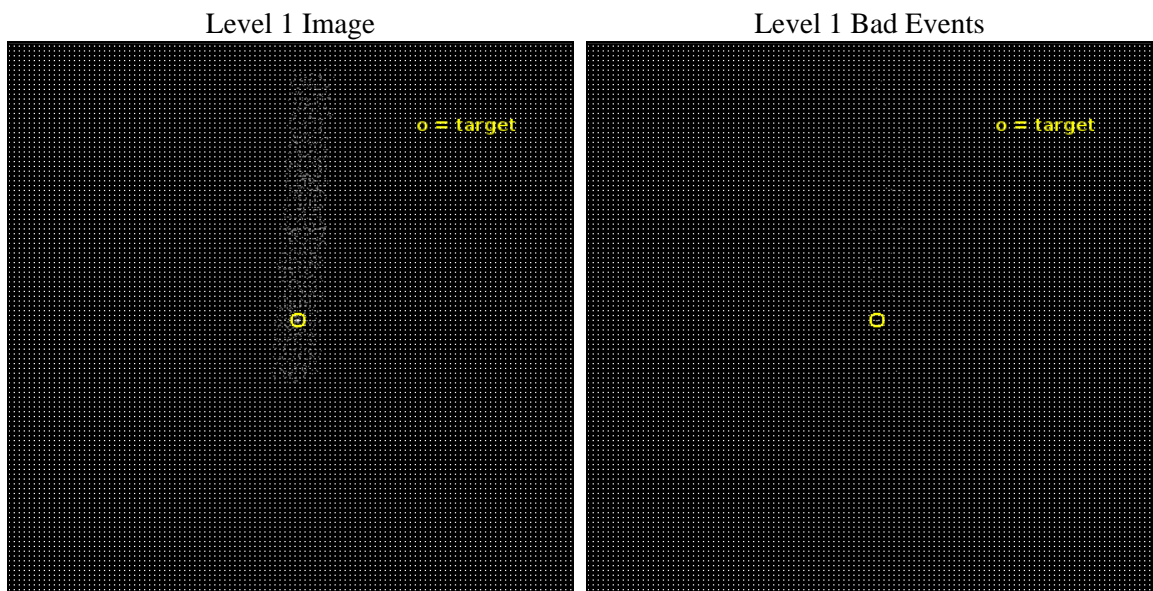
seq_num	401714	Sequence number
obs_id	17782	Observation id
title	Precise Localization of Transient Low-Mass X-ray Binaries	Proposal
observer	Deepto Chakrabarty	Principal investigator
object	MAXI J1957+032	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	299.162667	Observer's specified target RA [deg]
dec_targ	3.445194	Observer's specified target Dec [deg]
ra_nom	299.16620491063	Nominal RA [deg]
dec_nom	3.442846303529	Nominal Dec [deg]
roll_nom	273.14300018226	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1069.9999361038	Sum of GTIs [s]
livetime	970.43346281863	Livetime [s]
ontime7	1069.9999361038	Sum of GTIs [s]
l2events	1134	Number of level 2 events



2 OBI

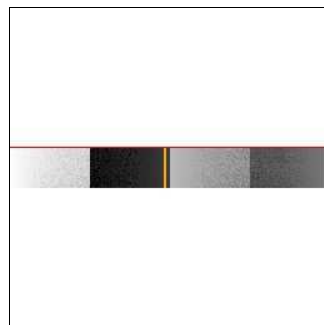
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.1.1	Processing system revision	ontime	1069.9999361038	Sum of GTIs [s]
caldsver	4.7.2	 	ontime7	1069.9999361038	Sum of GTIs [s]
date	2016-10-03T13:31:38	Date and time of file creation	l1events	1810	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	1810
rejected events	651
rejected %	35%

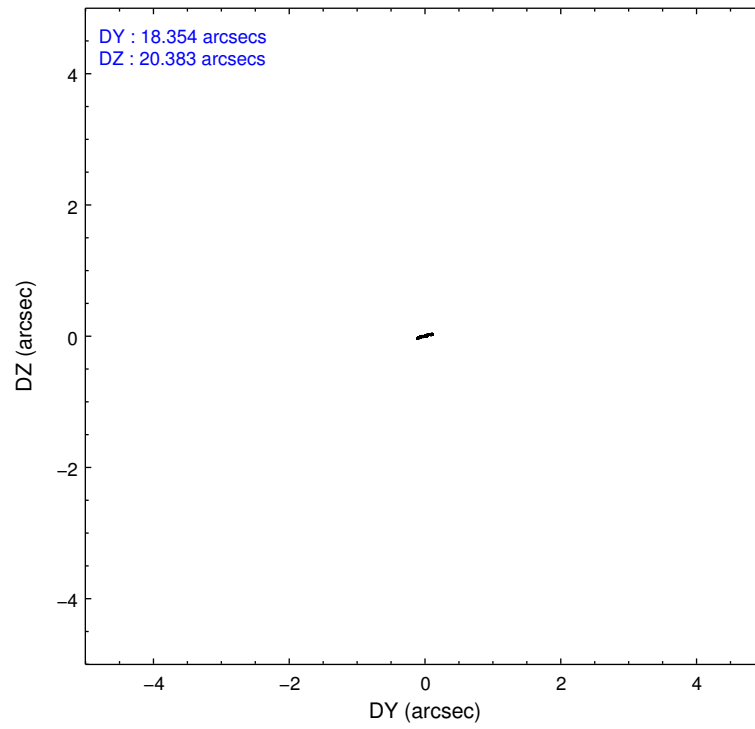
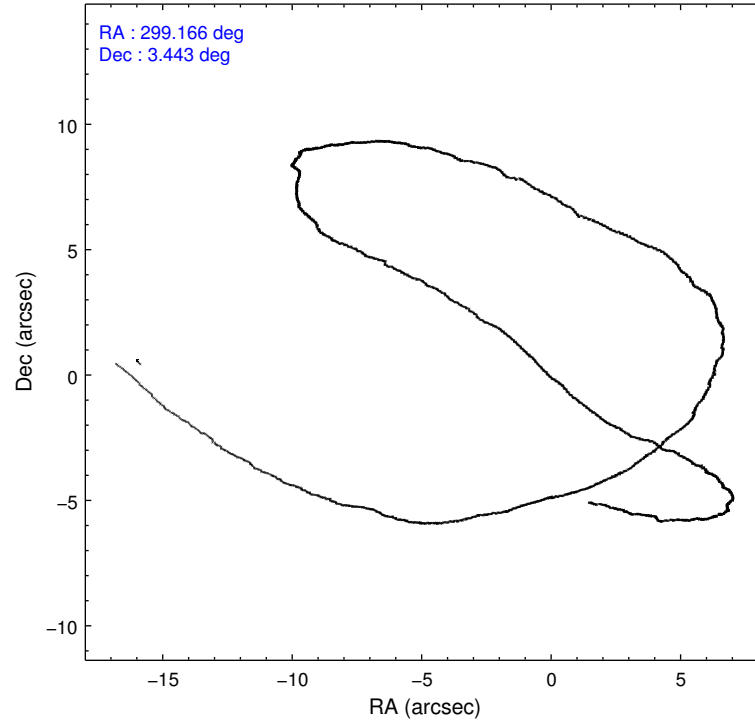
	ccd 7
grade 0 events	189
	10%
grade 1 events	4
	0%
grade 2 events	269
	14%
grade 3 events	166
	9%
grade 4 events	141
	7%
grade 5 events	140
	7%
grade 6 events	394
	21%
grade 7 events	507
	28%

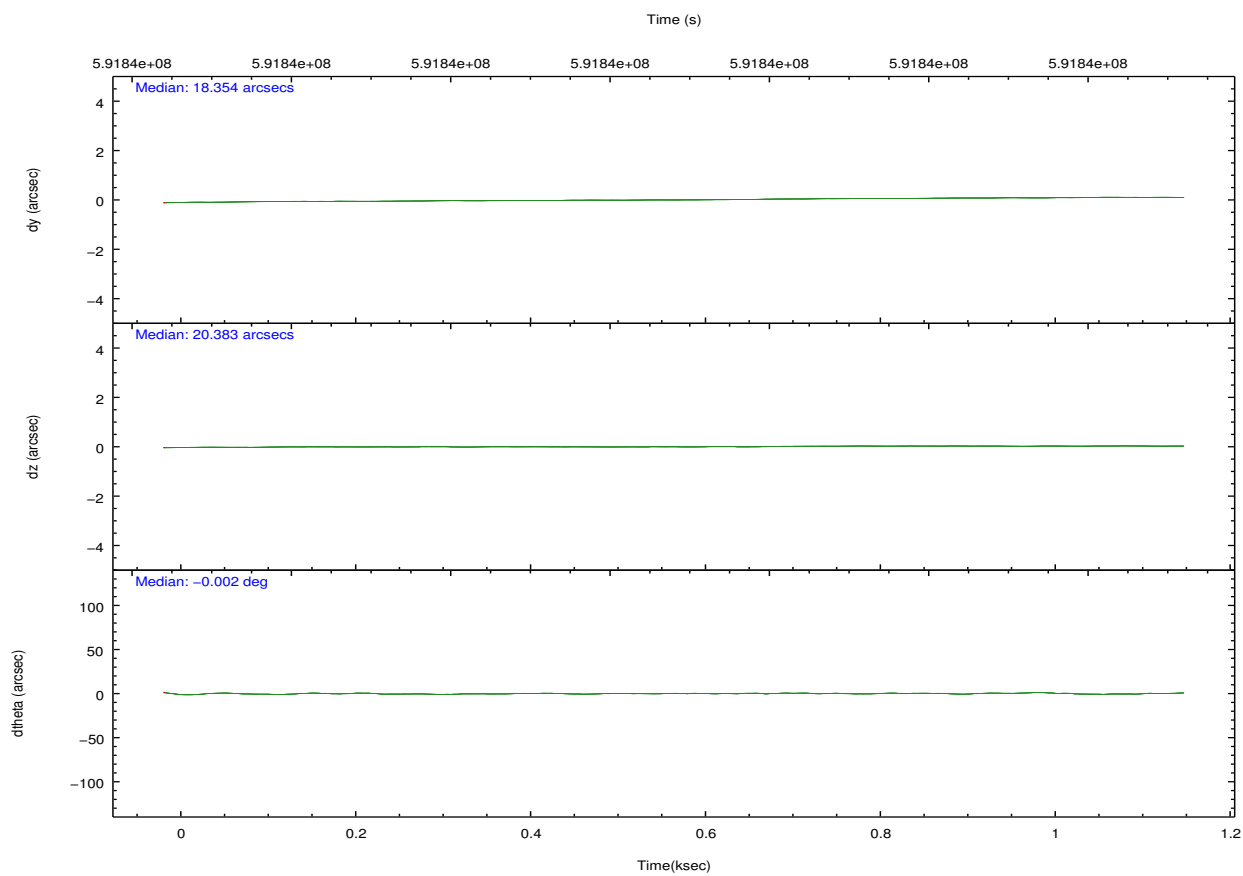
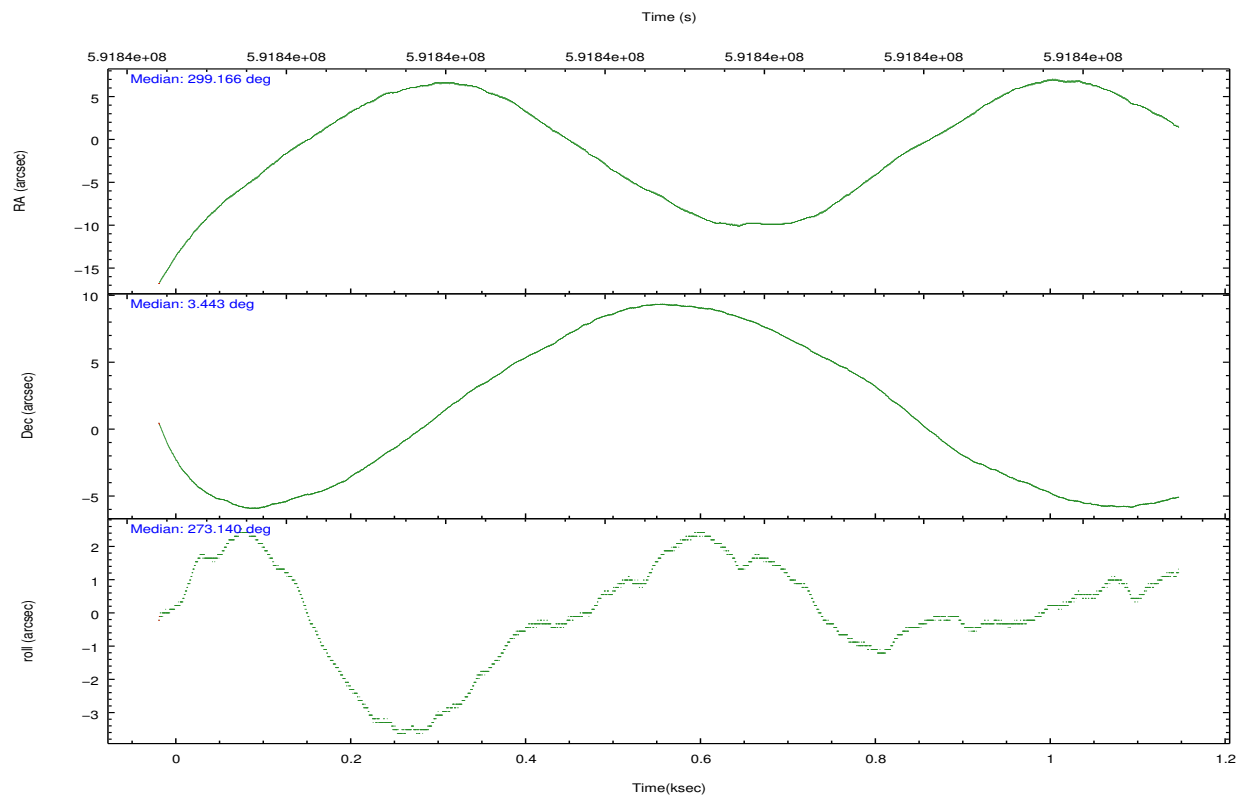
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	299.150676	299.1662049106296
[deg] Pointing Dec	3.465916	3.442846303528952
[deg] Pointing Roll	272.987372	273.1430001822565
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1425803651734
[mm] SIM translation stage offset	0	0.01005778216563158
[s] Observation start time (MET)	591842451.184000	591841574.7395999
Observation start date	2016-10-03T00:39:43	2016-10-03T00:26:14
[s] Observation end time (MET)	591843451.184000	591844102.38975
Observation end date	2016-10-03T00:56:23	2016-10-03T01:08:22
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	CUSTOM	1/8
Subarray start row	449	449
Subarray row count	128	128
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0.4

2.3 Aspect



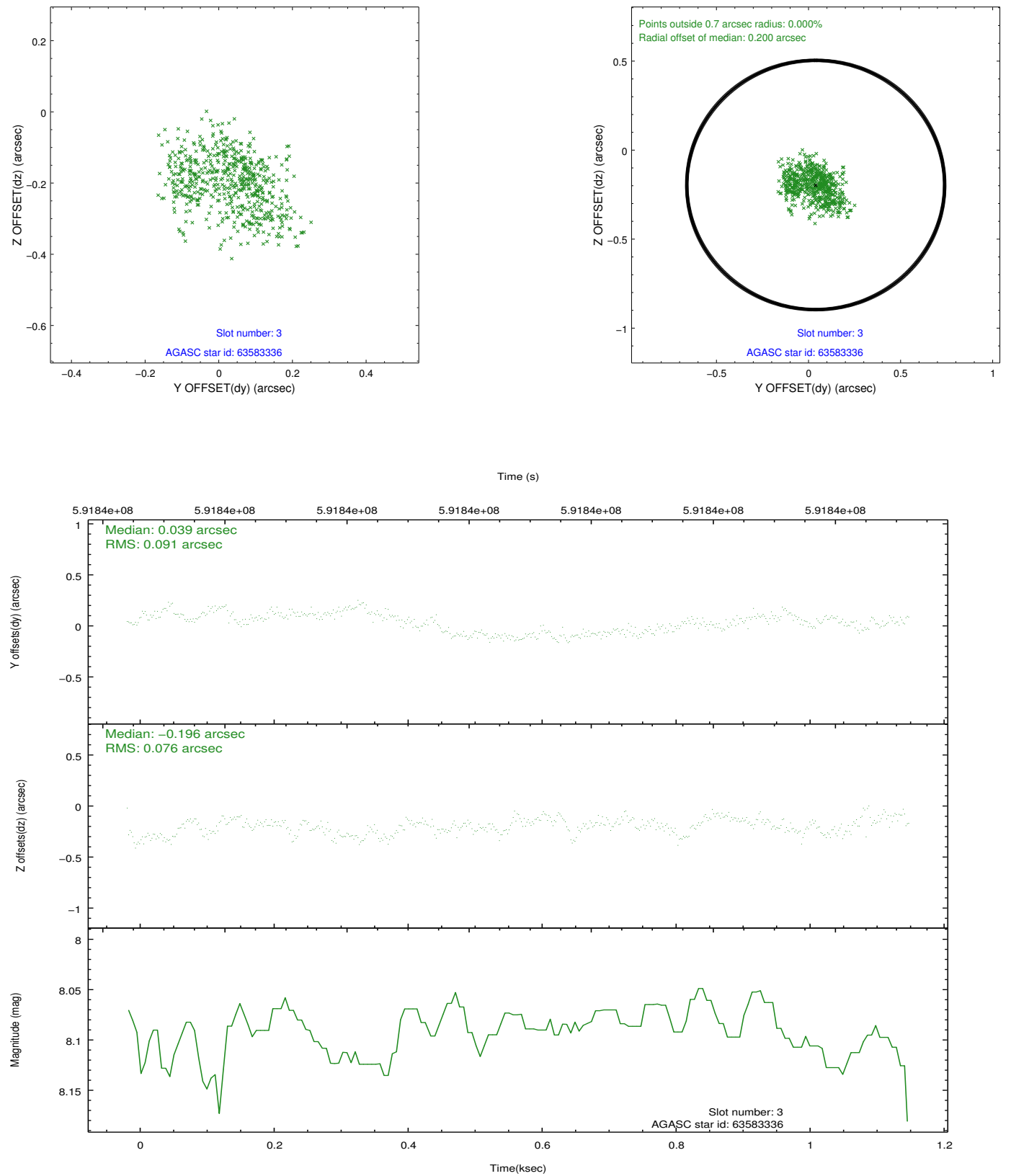


Slot Statistics

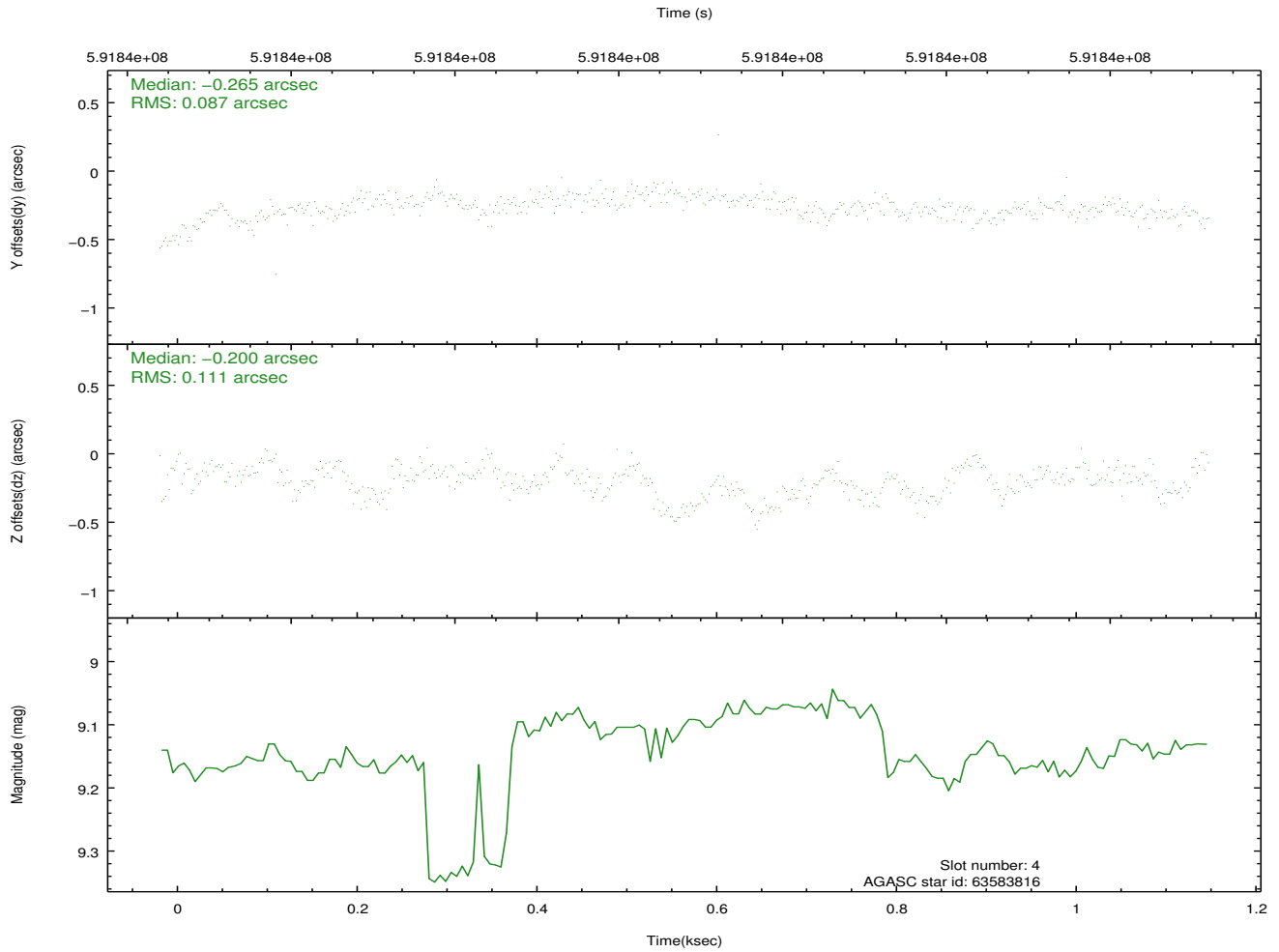
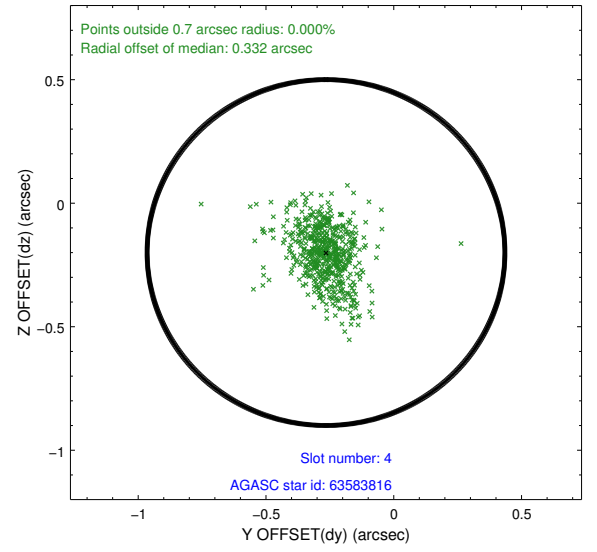
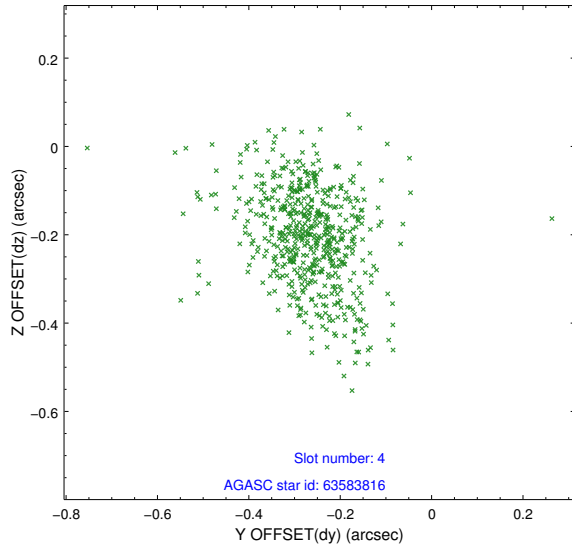
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.08	285	0.092	-0.039	0.006	0.010	0.000000	0.000000	924.60	-1737.58
1	FID		ACIS-S-2	7.01	285	-0.372	-0.158	0.005	0.009	0.000000	0.000000	-768.61	-1748.09
2	FID		ACIS-S-4	7.10	285	0.254	0.204	0.005	0.009	0.000000	0.000000	2139.49	160.78
3	GUIDE	used	63583336	8.09	569	0.039	-0.196	0.132	0.195	299.422889	2.988739	1765.65	887.28
4	GUIDE	used	63583816	9.15	569	-0.265	-0.200	0.142	0.261	299.681777	3.195262	1074.07	1856.63
5	GUIDE	used	64102496	8.55	570	0.114	0.108	0.099	0.158	298.774394	3.995456	-1971.90	-1248.26
6	GUIDE	used	63595512	9.13	570	0.272	0.134	0.131	0.208	298.672666	3.203884	848.29	-1767.42
7	GUIDE	used	64113088	9.05	569	-0.148	0.175	0.155	0.255	299.022134	4.082197	-2239.03	-348.84

2.4 Star Slots

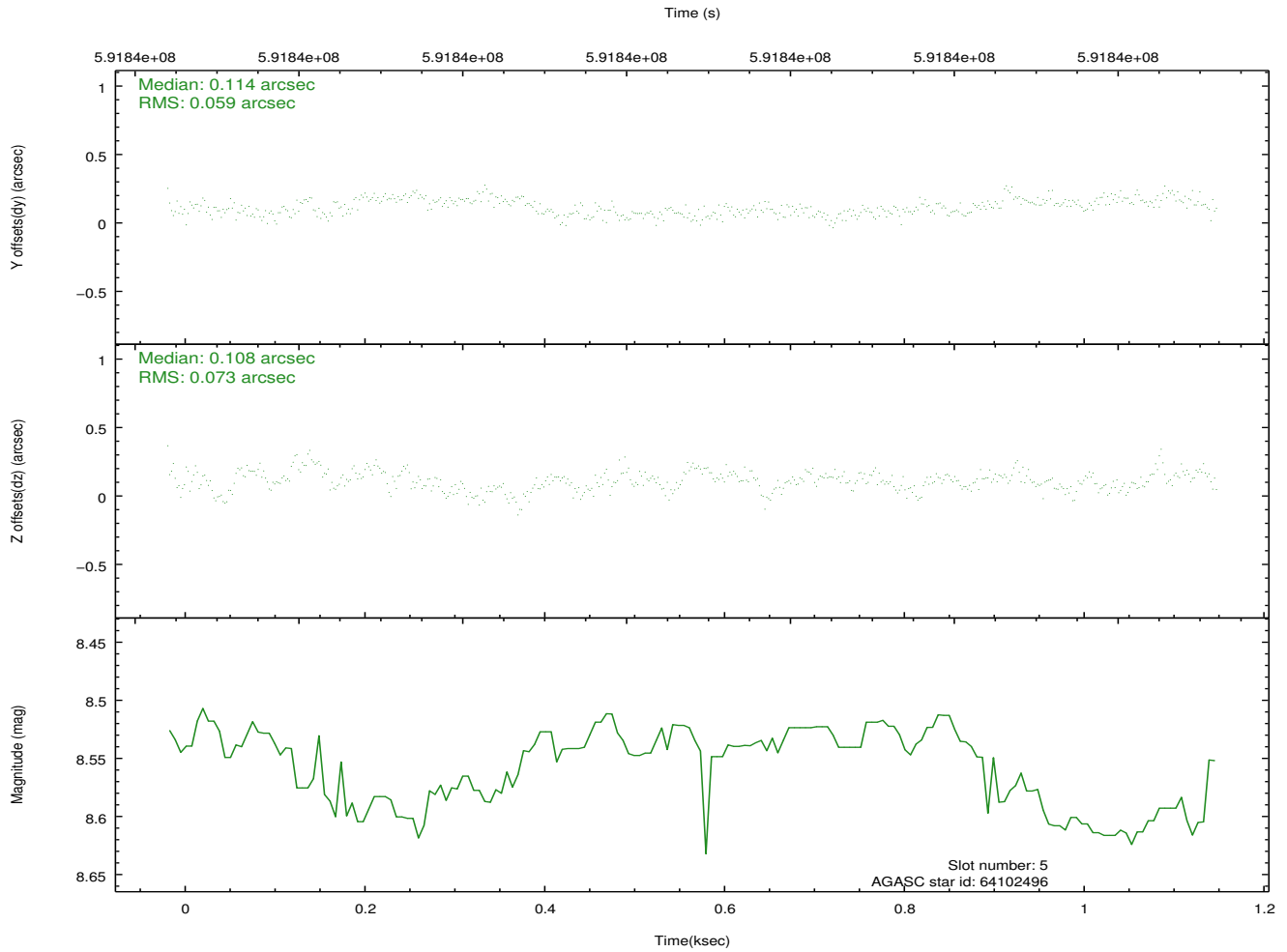
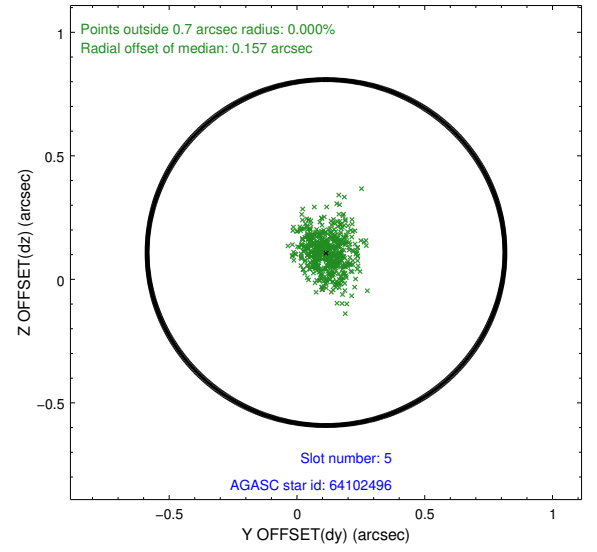
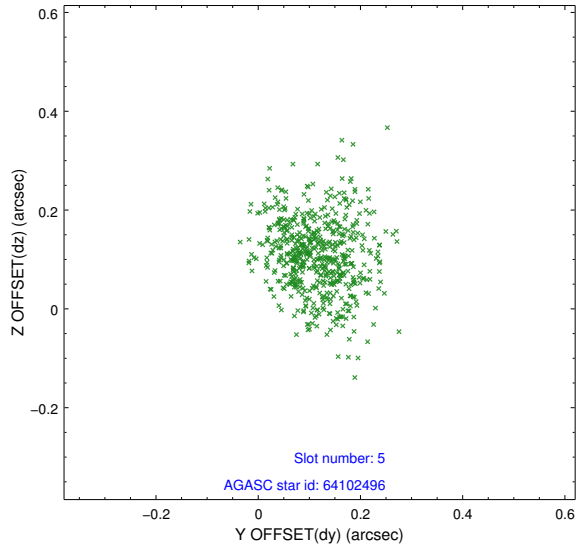
2.4.1 Slot 3



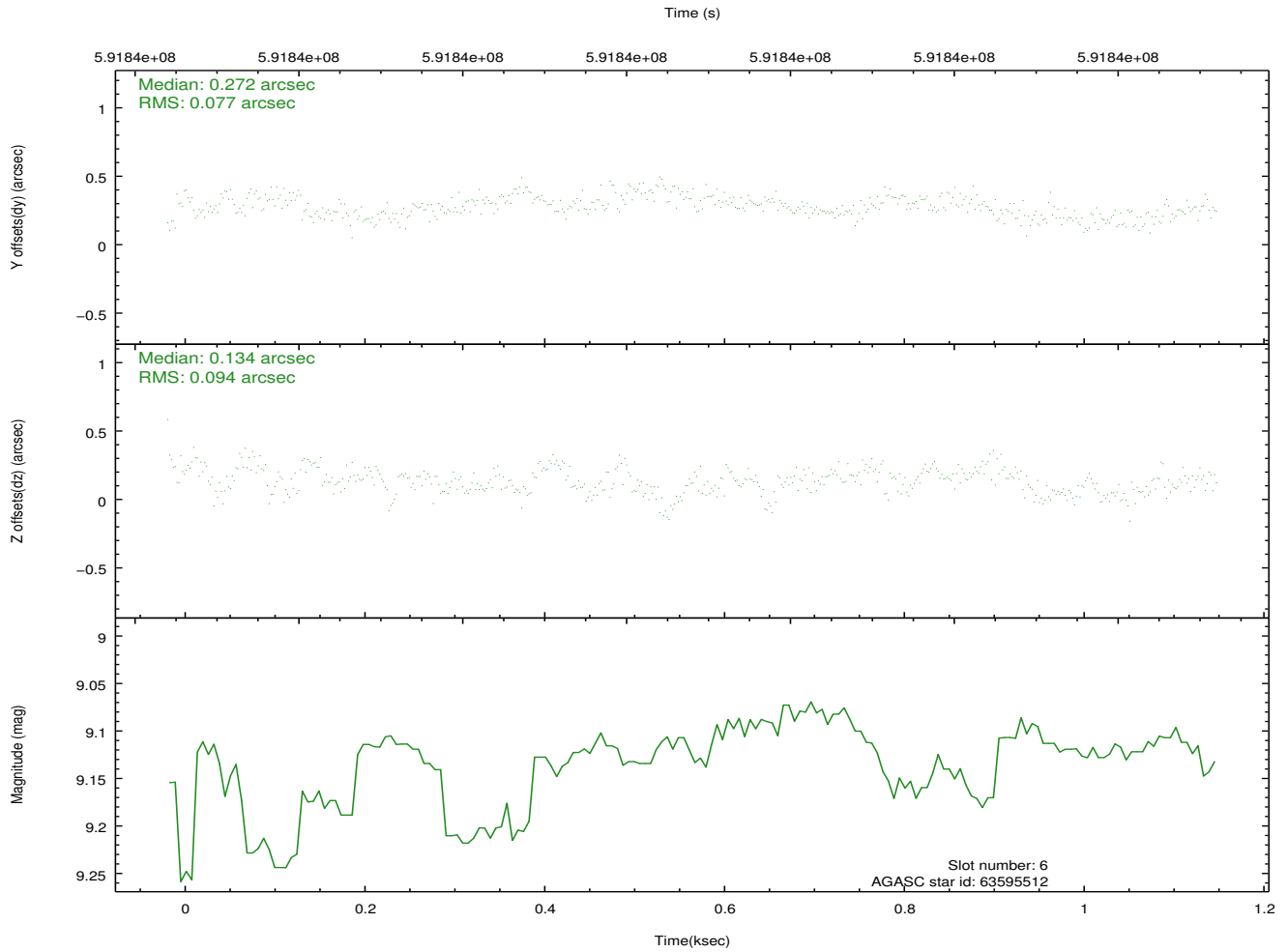
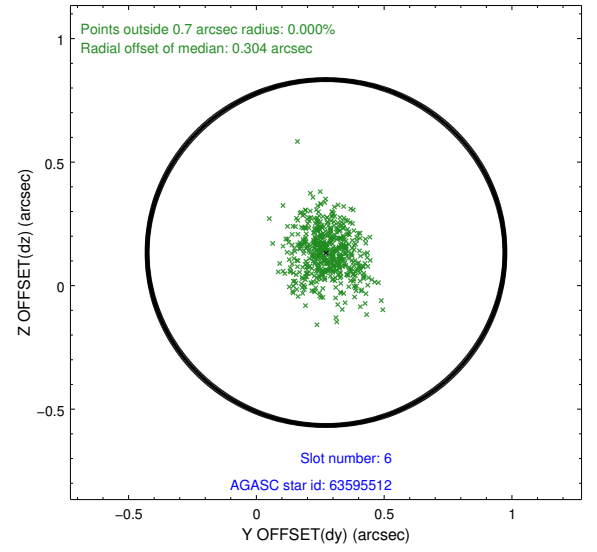
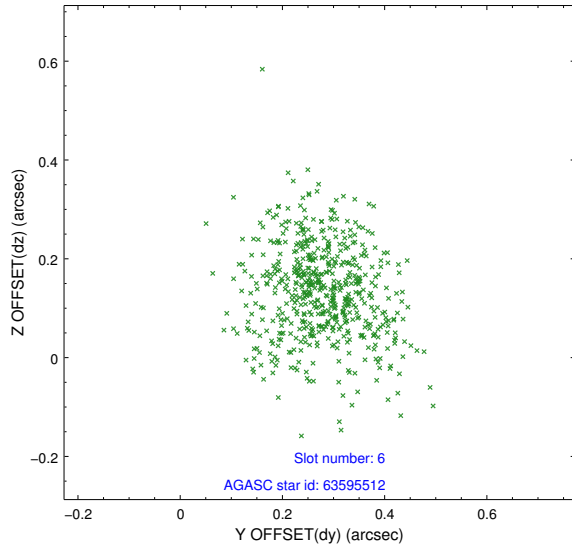
2.4.2 Slot 4



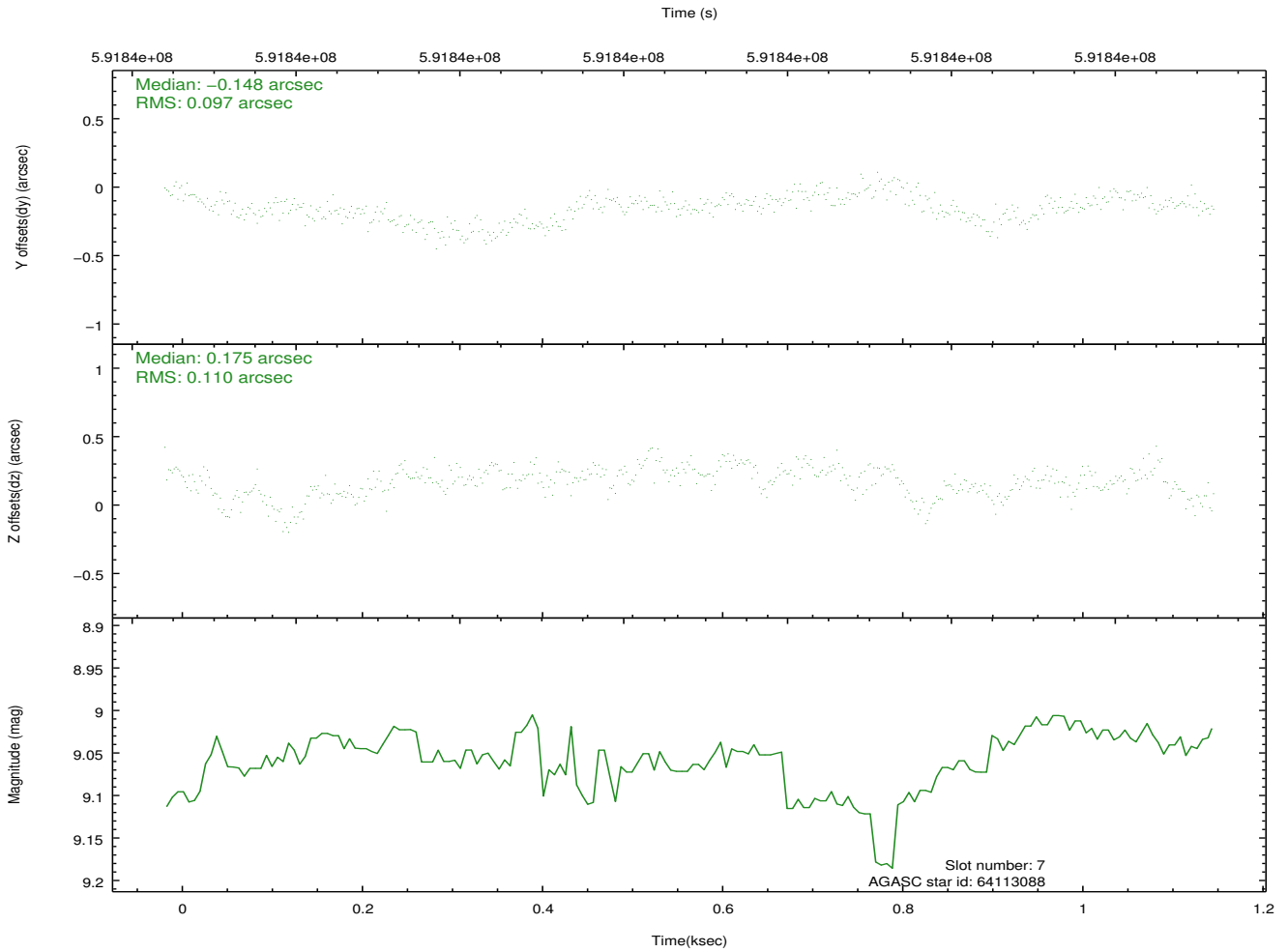
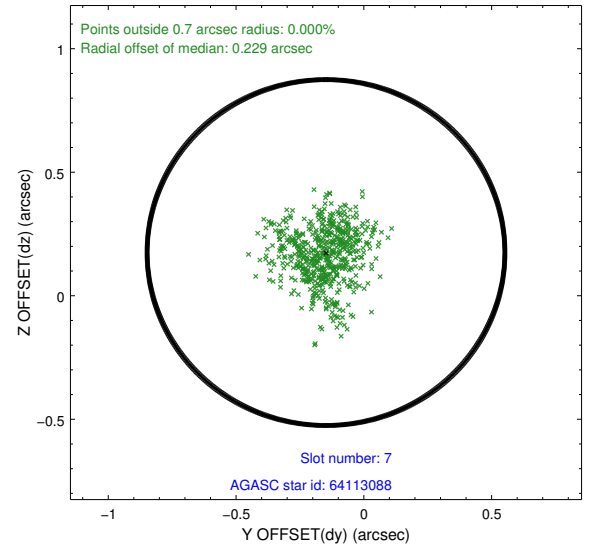
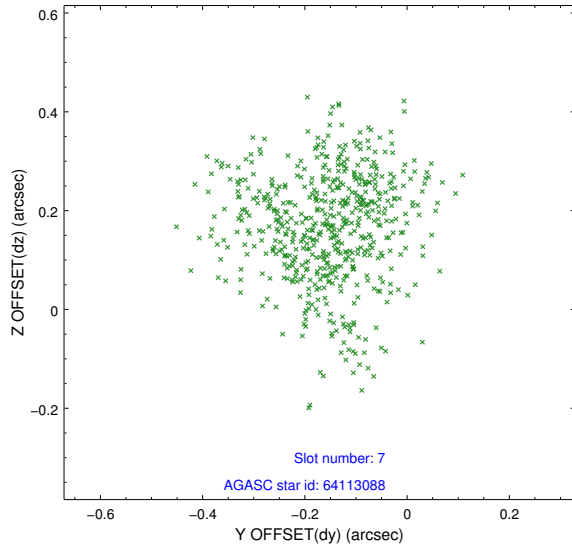
2.4.3 Slot 5



2.4.4 Slot 6

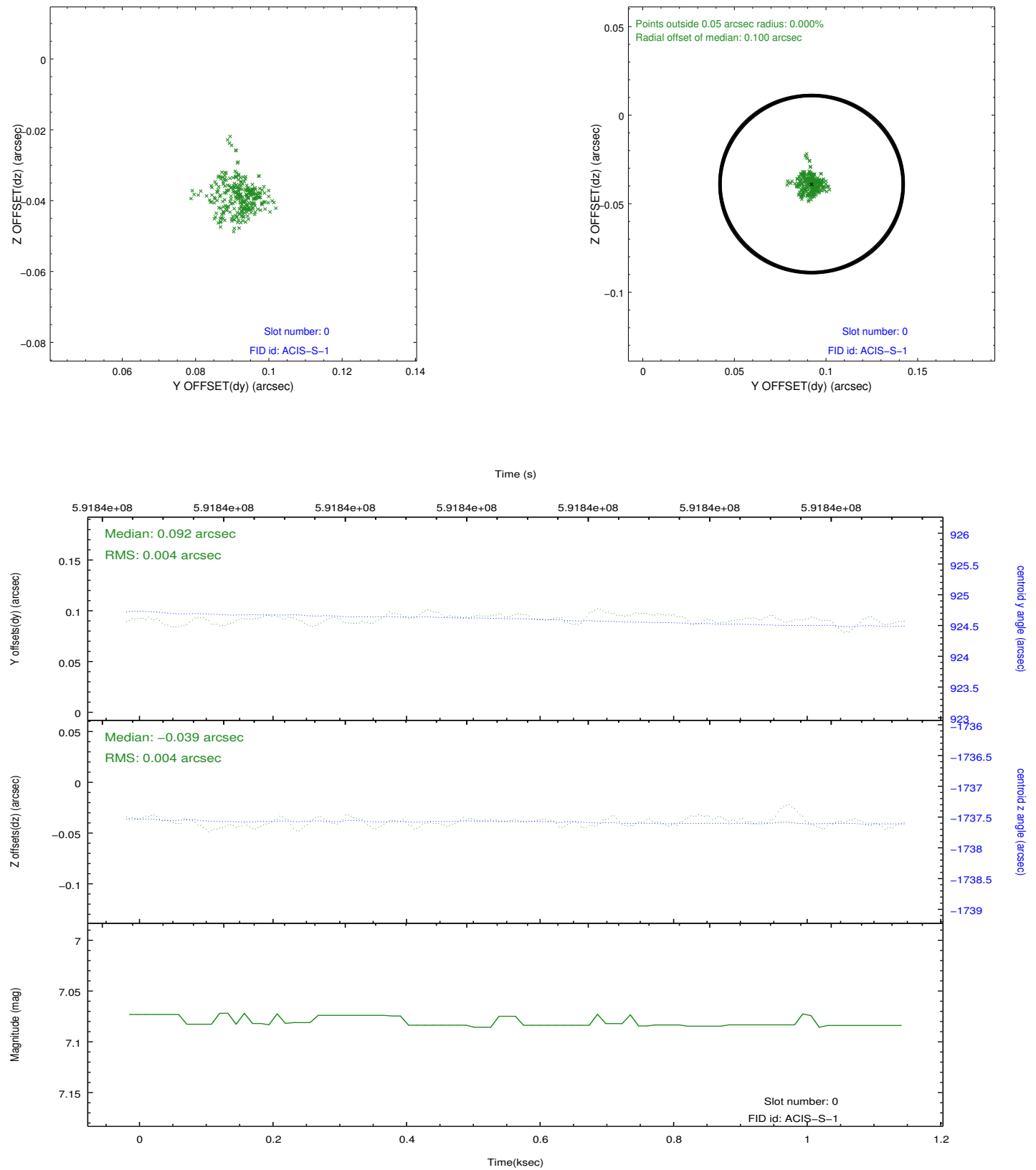


2.4.5 Slot 7

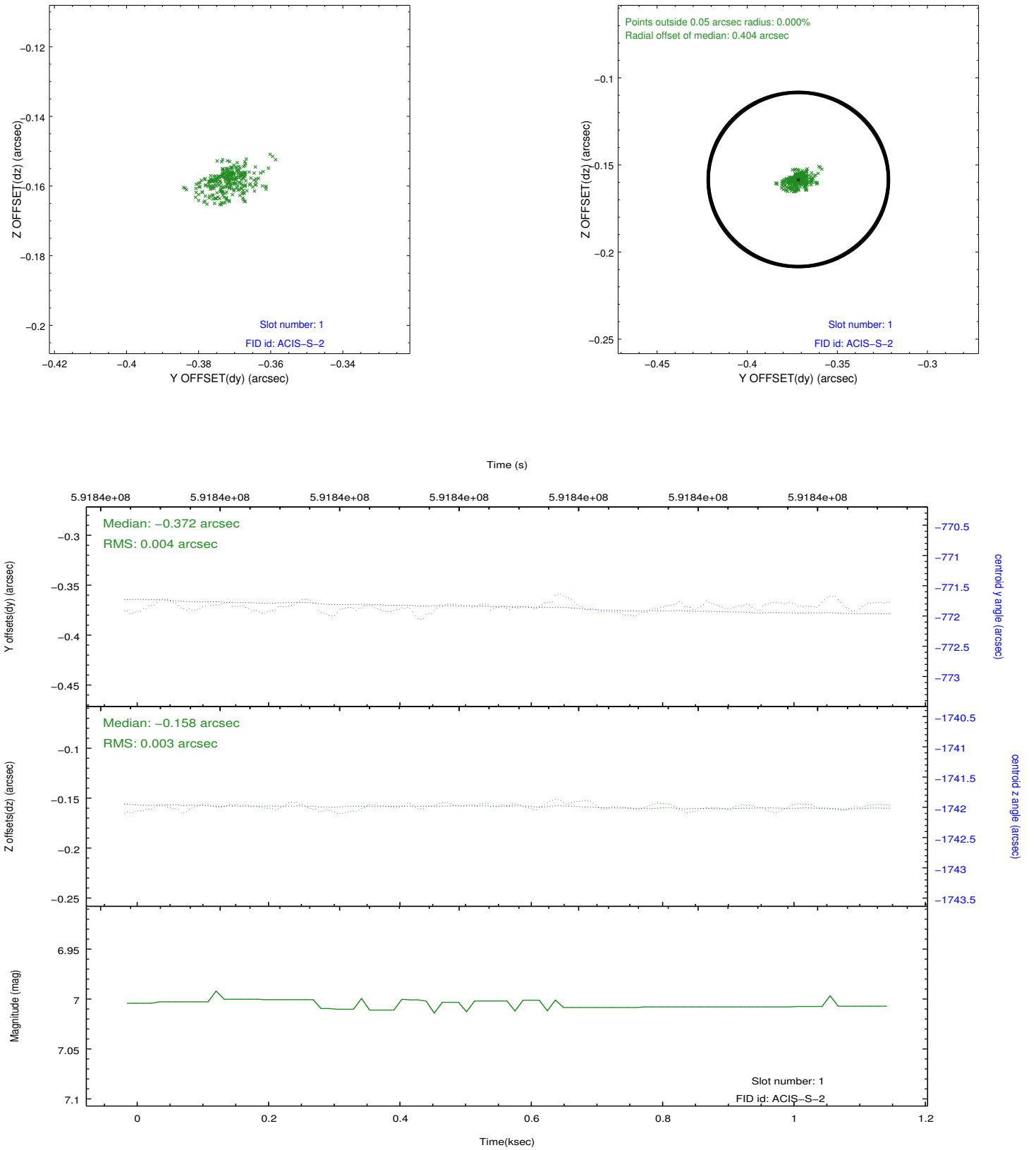


2.5 FID Slots

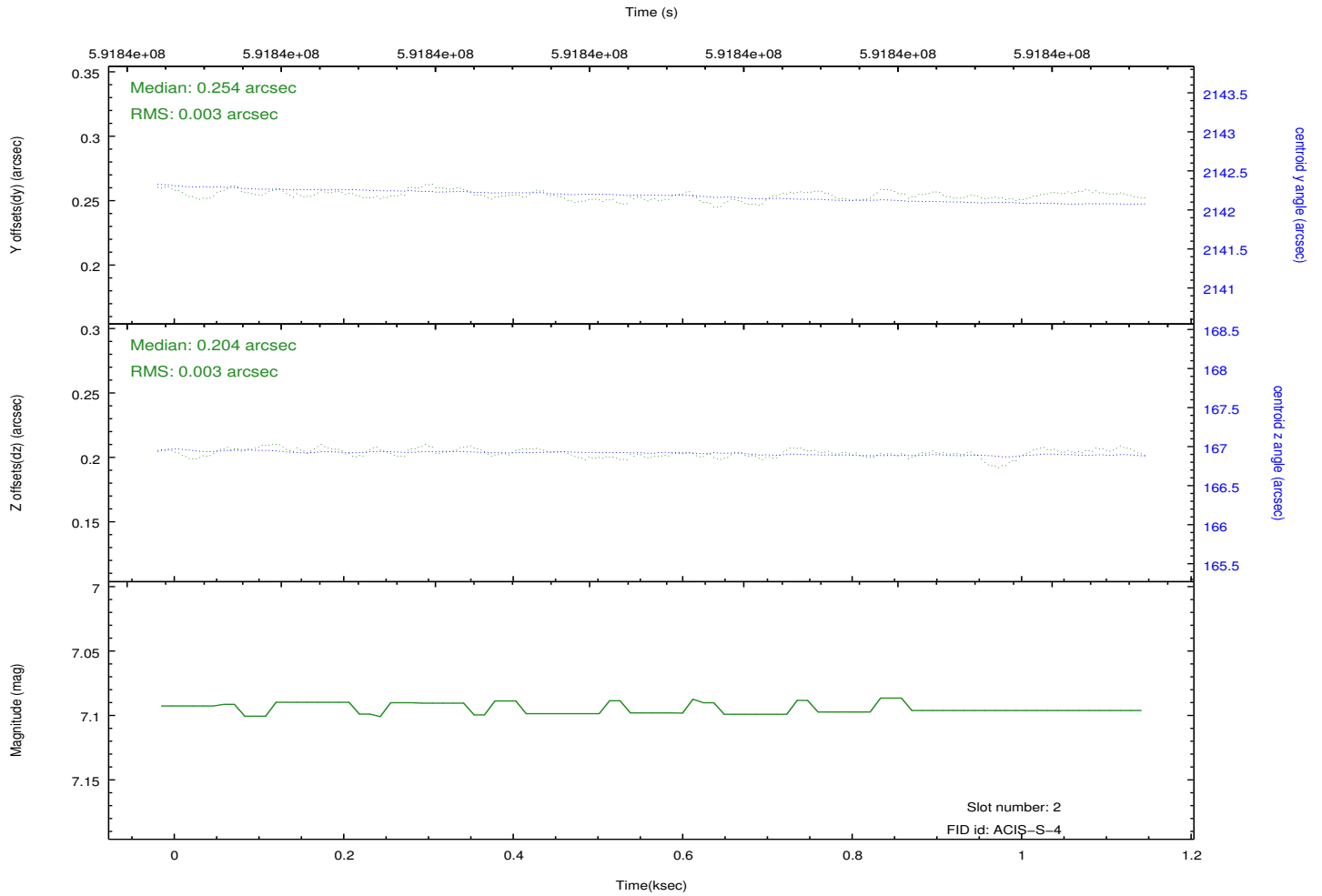
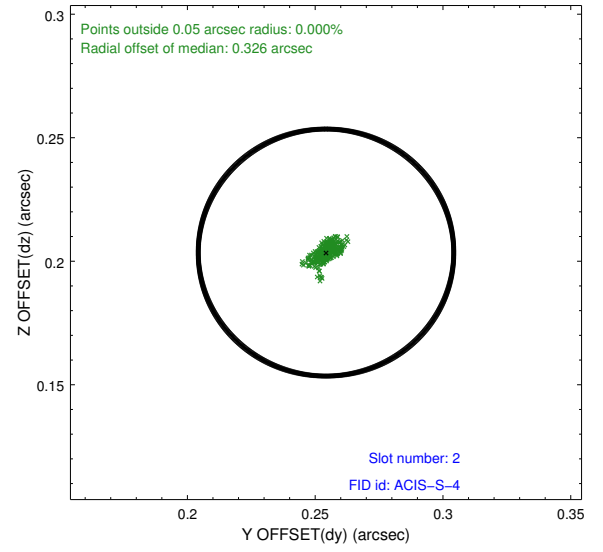
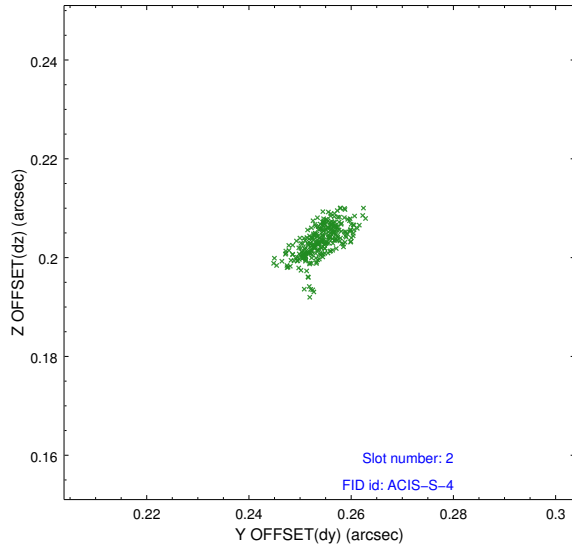
2.5.1 Slot 0



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)	2016.10.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.0699999361038

A.2 Comments