

V&V Reference Report

L2 ASCDS Version : 10.4

Observation 17327 - L2 Version 1
Chandra X-Ray Center

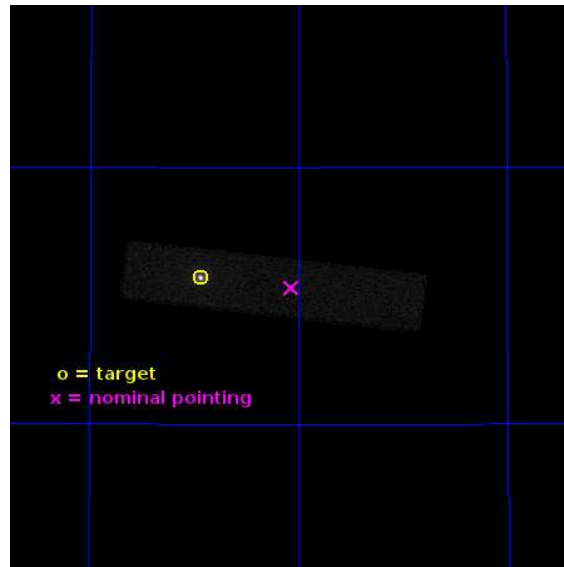
L2 Processing Date : Jul 7 2015

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	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

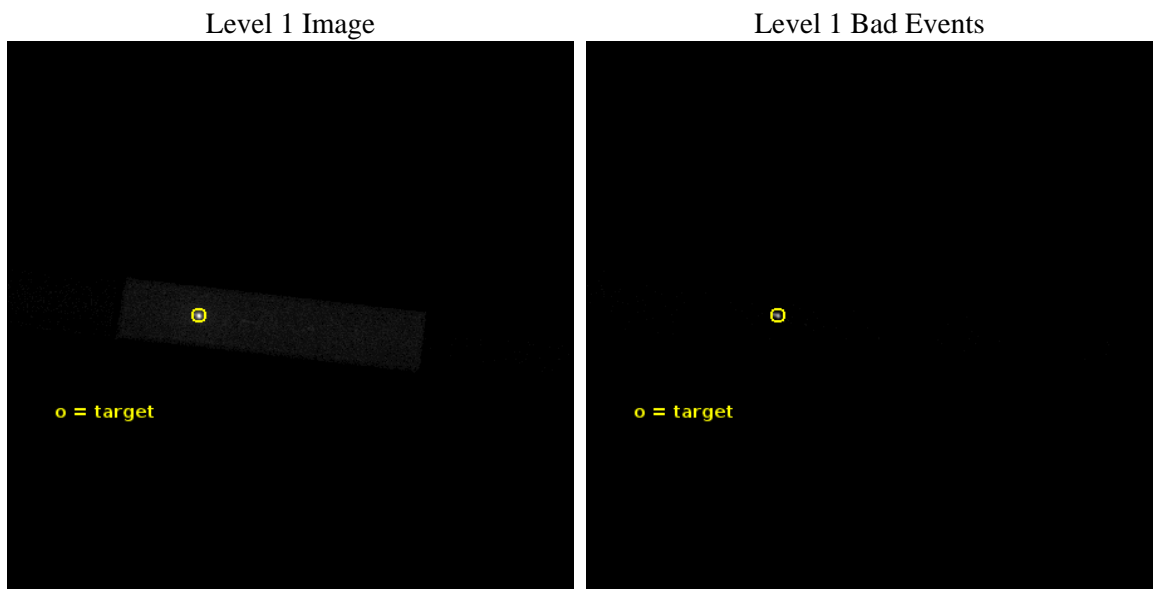
seq_num	291200	Sequence number
obs_id	17327	Observation id
title	AO-16 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235833	Observer's specified target RA [deg]
dec_targ	38.78475	Observer's specified target Dec [deg]
ra_nom	279.01680850852	Nominal RA [deg]
dec_nom	38.765878428087	Nominal Dec [deg]
roll_nom	186.75523494108	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1153.3813147545	[s]
liveltime	1031.8660675959	Ontime multiplied by DTCOR
l2events	203926	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.4	Processing system revision	ontime	1153.3813147545	[s]
caldbver	4.6.7	 	l1events	268508	Number of level 1 events
date	2015-07-07T05:48:53	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

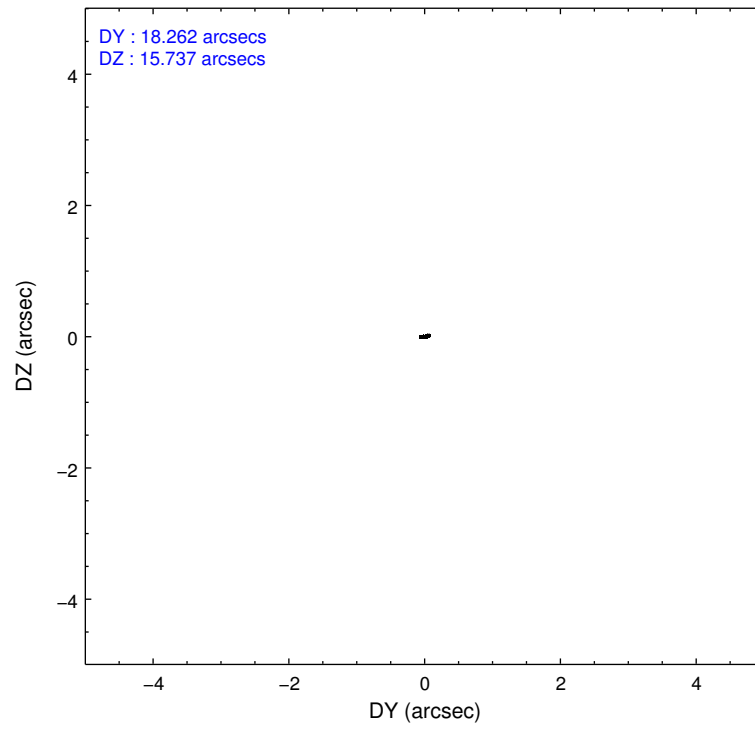
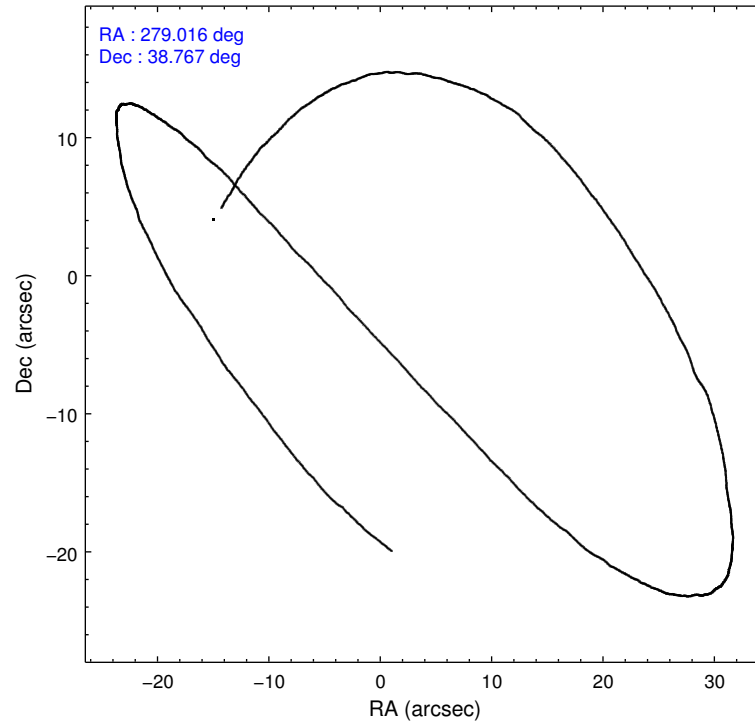
Level 1 Events

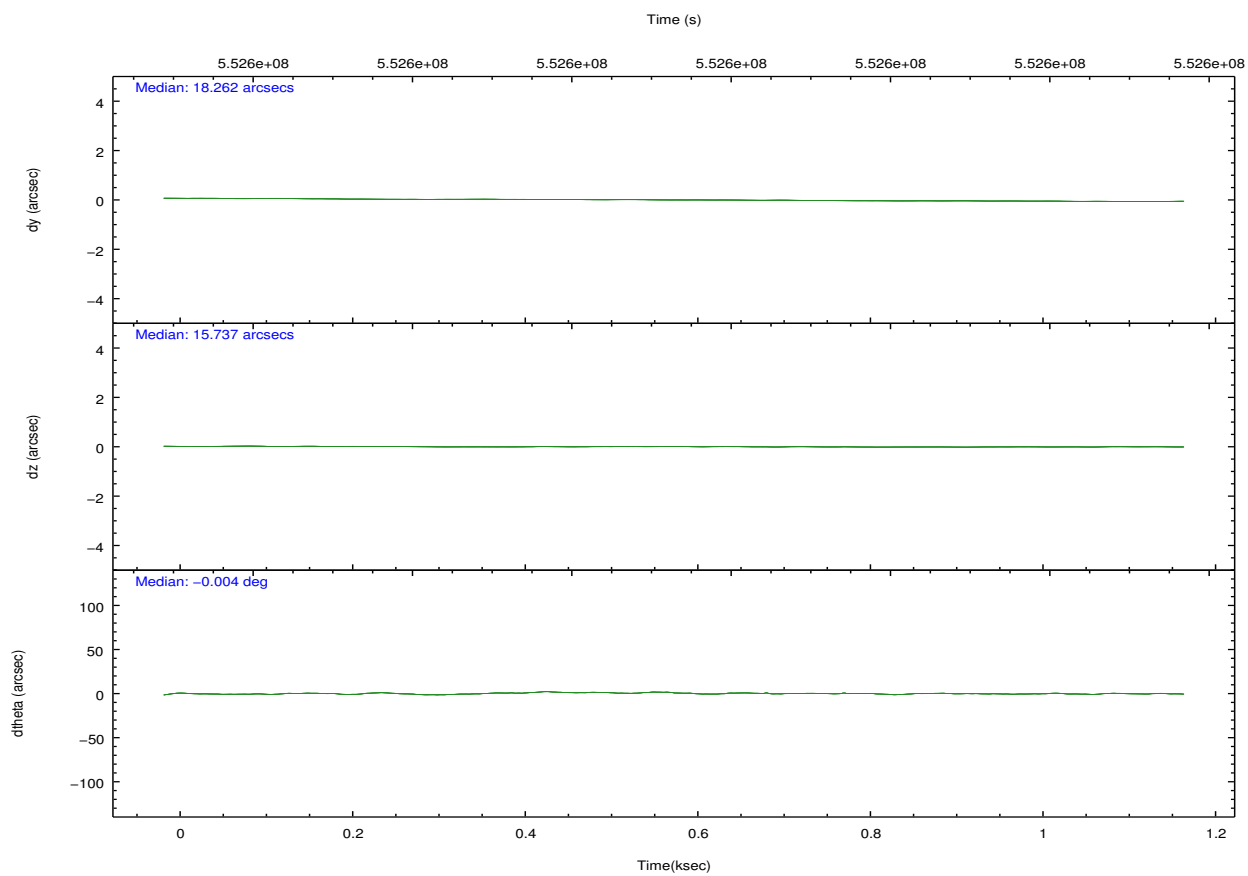
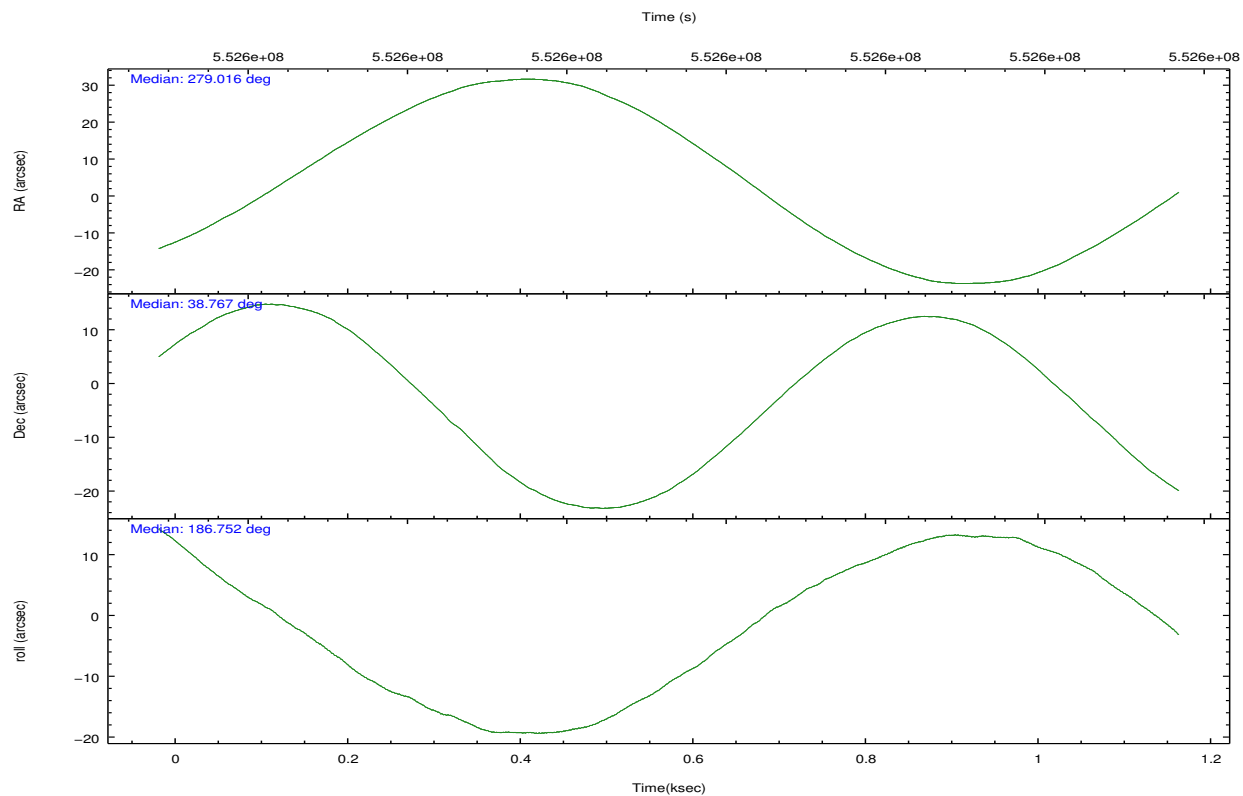
	segment 1	segment 2	segment 3
level 1 events	5112	262199	1197
rejected events	5065	49593	1186
rejected %	99%	18%	99%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	279.045762	279.0168085085196			
[deg] Pointing Dec	38.783357	38.76587842808692			
[deg] Pointing Roll	186.669738	186.7552349410844			
[s] Window start time (MET)	549504067.184000	549504067.184000			
[s] Window stop time (MET)	554688068.184000	554688068.184000			
[mm] SIM focus pos	-1.533336	-1.526339935833849			
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	552596516.184000	552596139.6182899			
Observation start date	2015-07-06T19:00:48	2015-07-06T18:55:39			
[s] Observation end time (MET)	552597516.184000	552597649.44338			
Observation end date	2015-07-06T19:17:28	2015-07-06T19:20:49			

2.3 Aspect



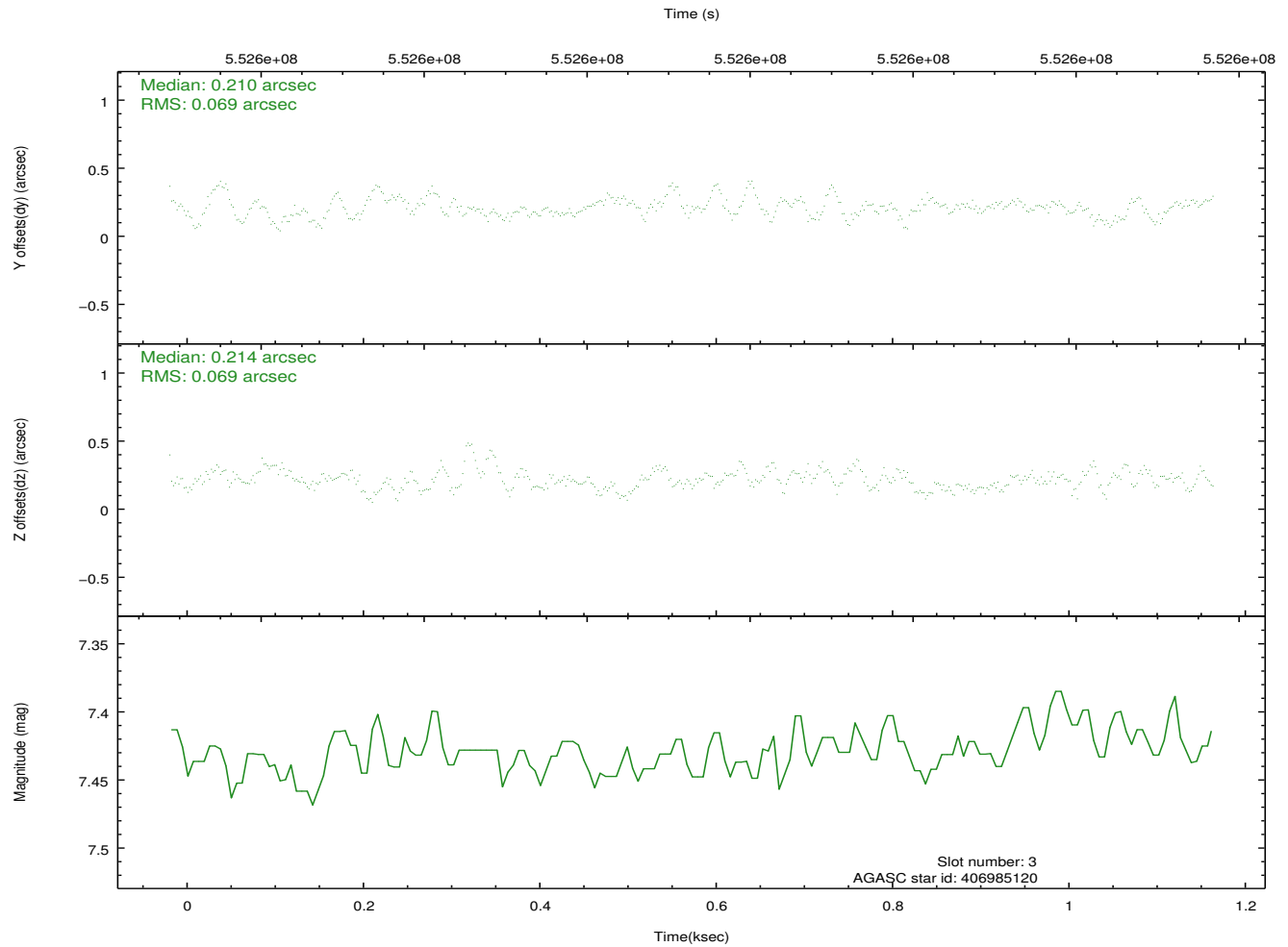
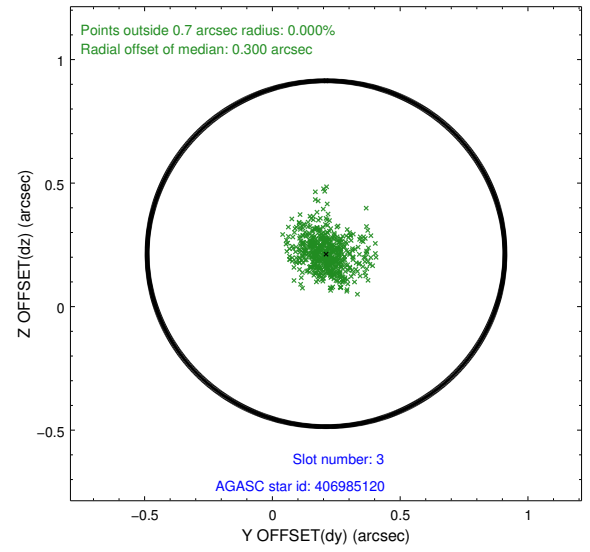
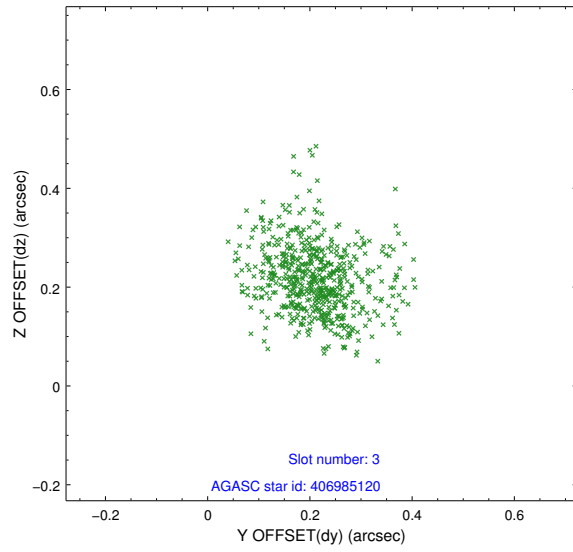


Slot Statistics

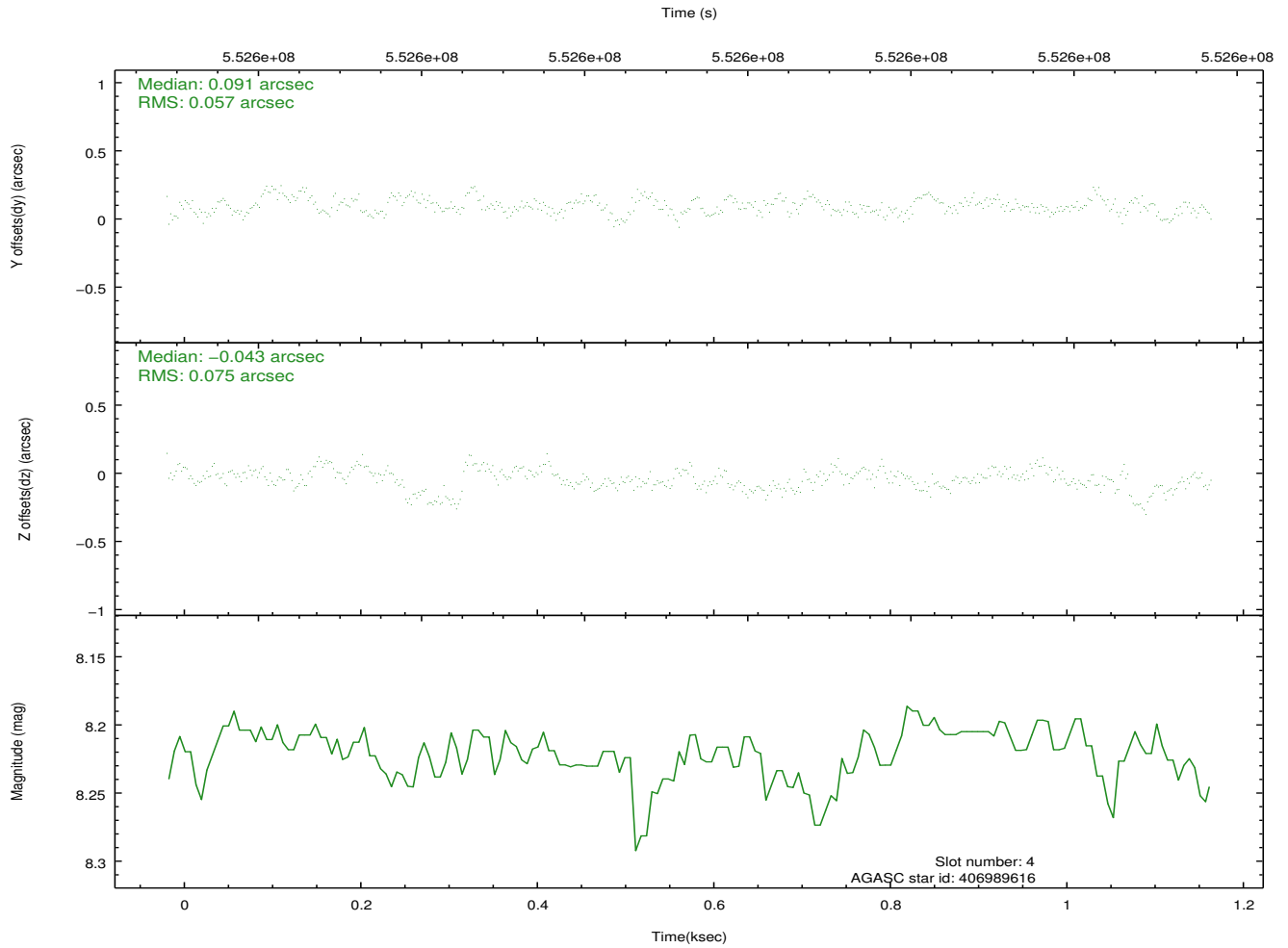
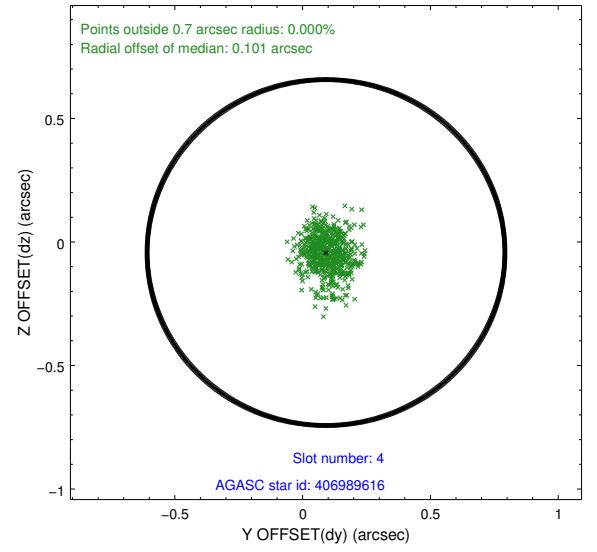
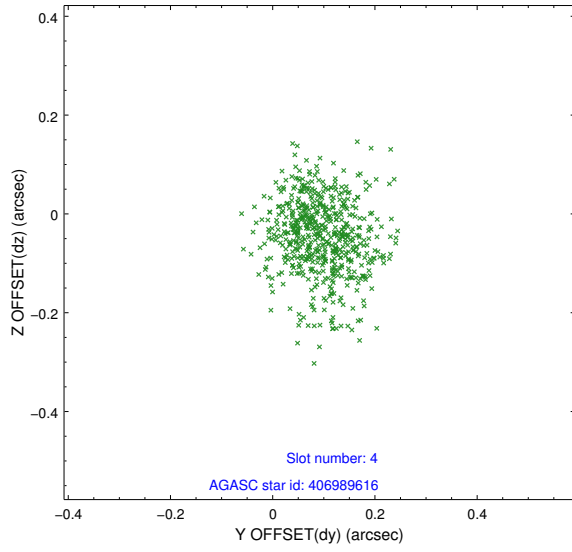
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.05	289	0.021	-0.226	0.007	0.012	0.000000	0.000000	-1172.80	-464.70
1	FID		HRC-S-2	7.02	288	0.290	-0.122	0.006	0.011	0.000000	0.000000	1223.06	-458.83
2	FID		HRC-S-3	7.05	289	0.078	0.046	0.006	0.012	0.000000	0.000000	-1171.24	563.51
3	GUIDE	used	406985120	7.43	578	0.210	0.214	0.103	0.170	278.839732	38.894839	526.39	-462.52
4	GUIDE	used	406989616	8.22	578	0.091	-0.043	0.099	0.170	279.202881	38.520843	-329.41	992.35
5	GUIDE	used	407521232	8.62	576	0.304	0.512	0.111	0.202	279.628883	39.431715	-1882.87	-2129.55
6	GUIDE	used	406987272	6.93	578	-0.359	-0.231	0.089	0.160	278.536588	38.437504	1566.37	1064.82
7	GUIDE	used	406987384	8.93	575	-0.250	-0.449	0.125	0.202	278.815518	38.115336	928.80	2317.11

2.4 Star Slots

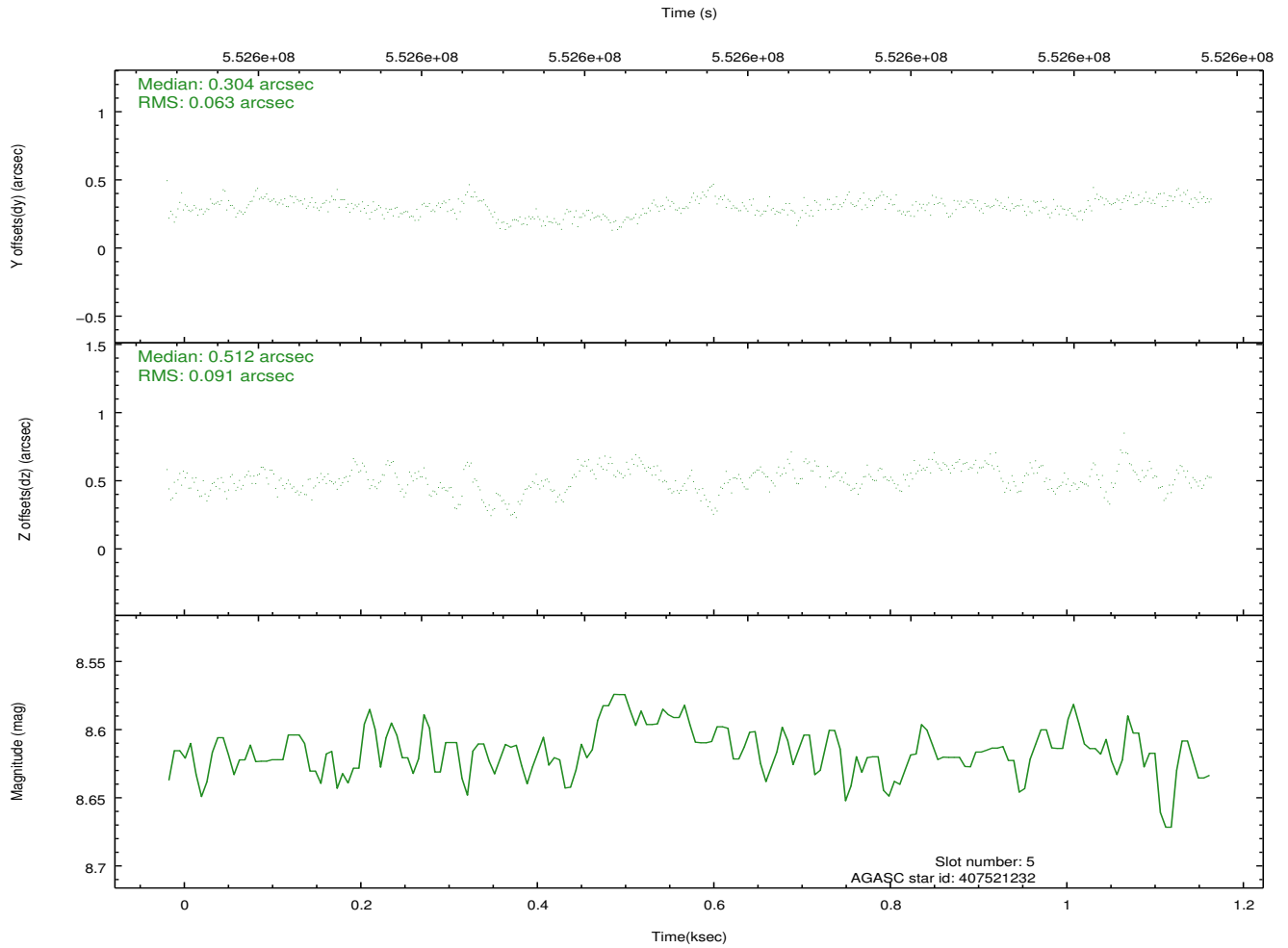
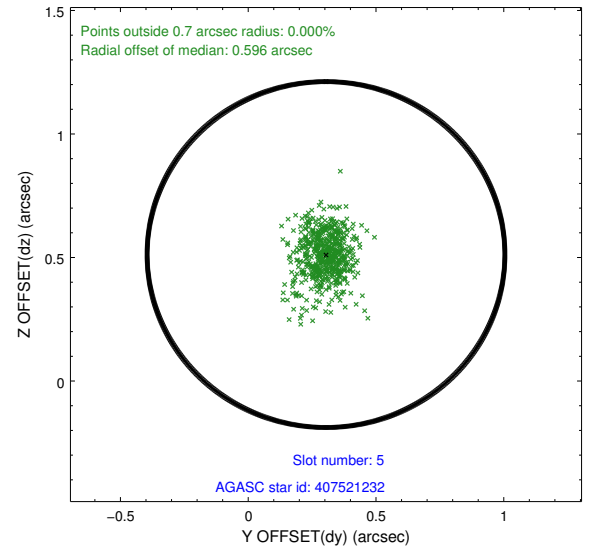
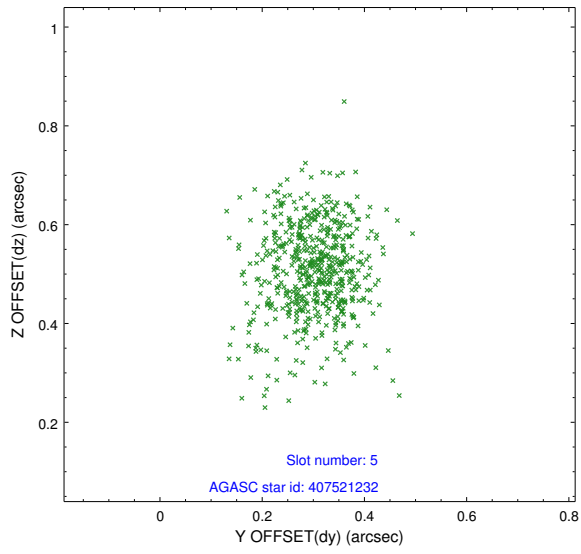
2.4.1 Slot 3



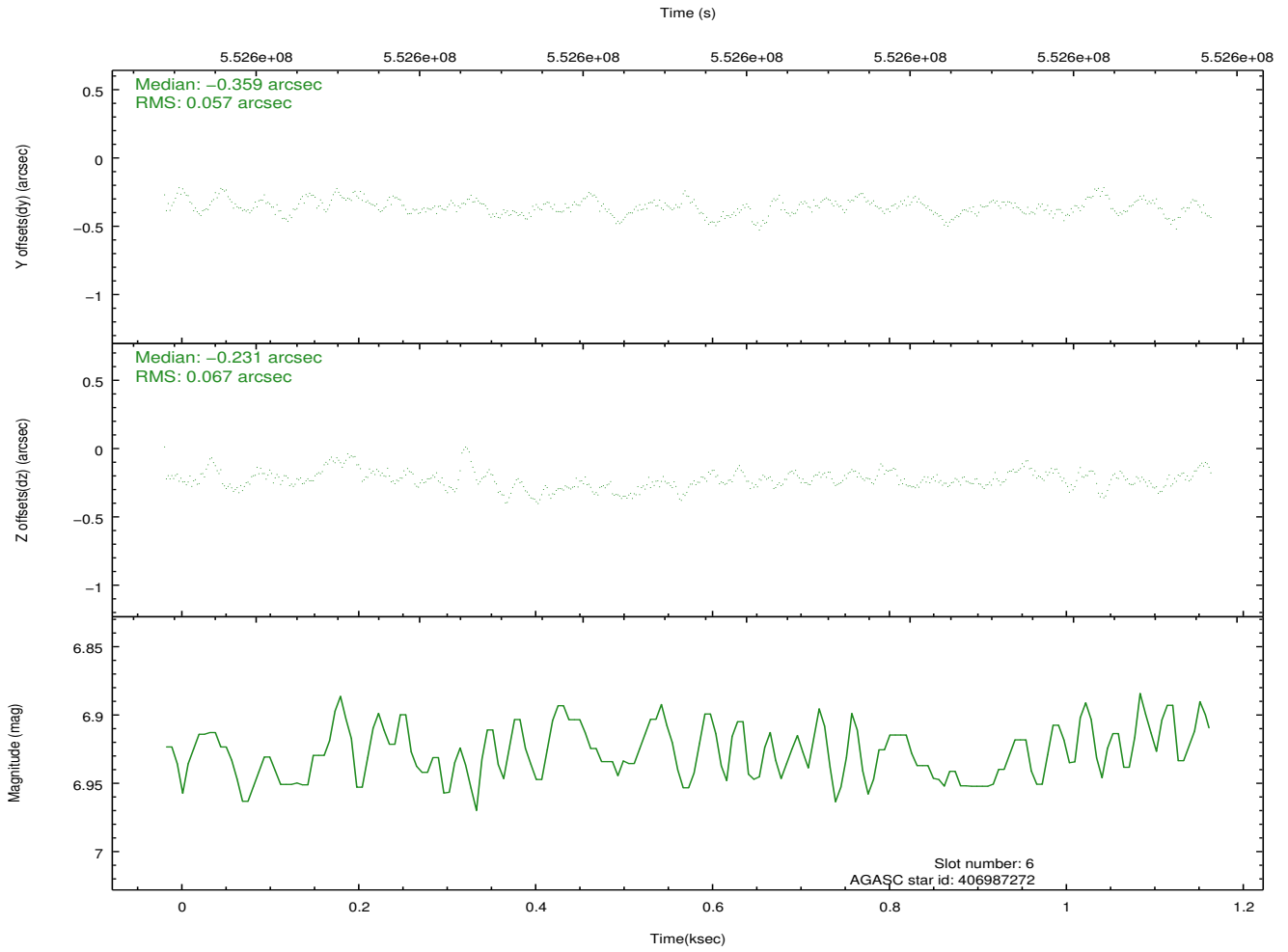
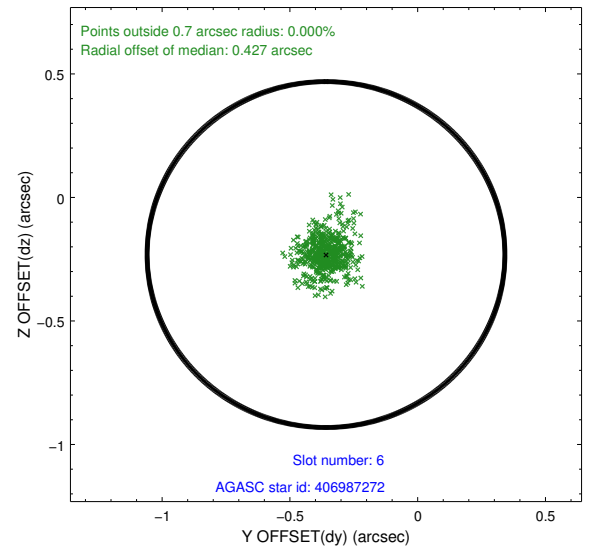
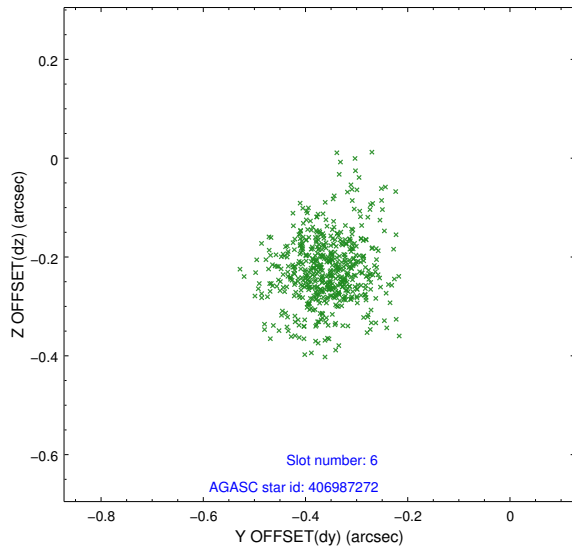
2.4.2 Slot 4



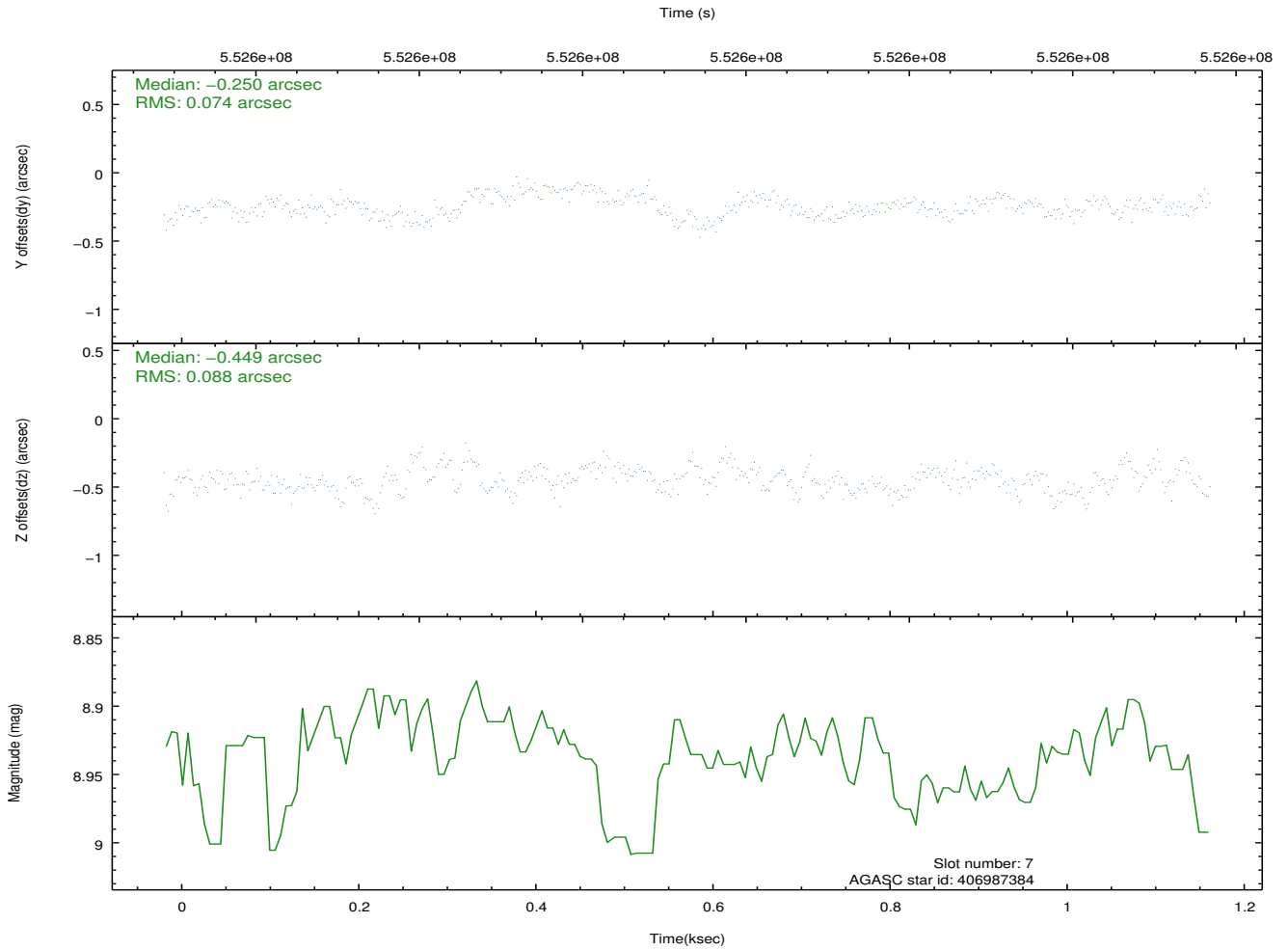
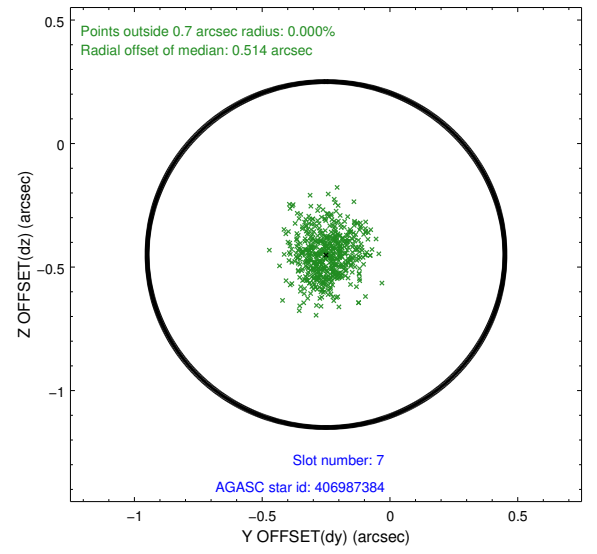
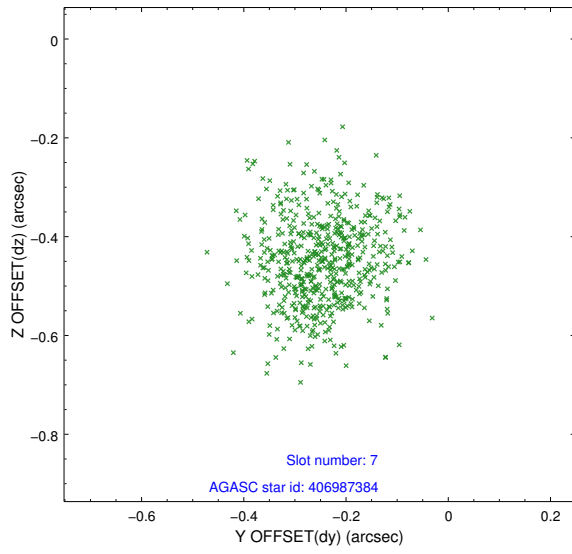
2.4.3 Slot 5



2.4.4 Slot 6

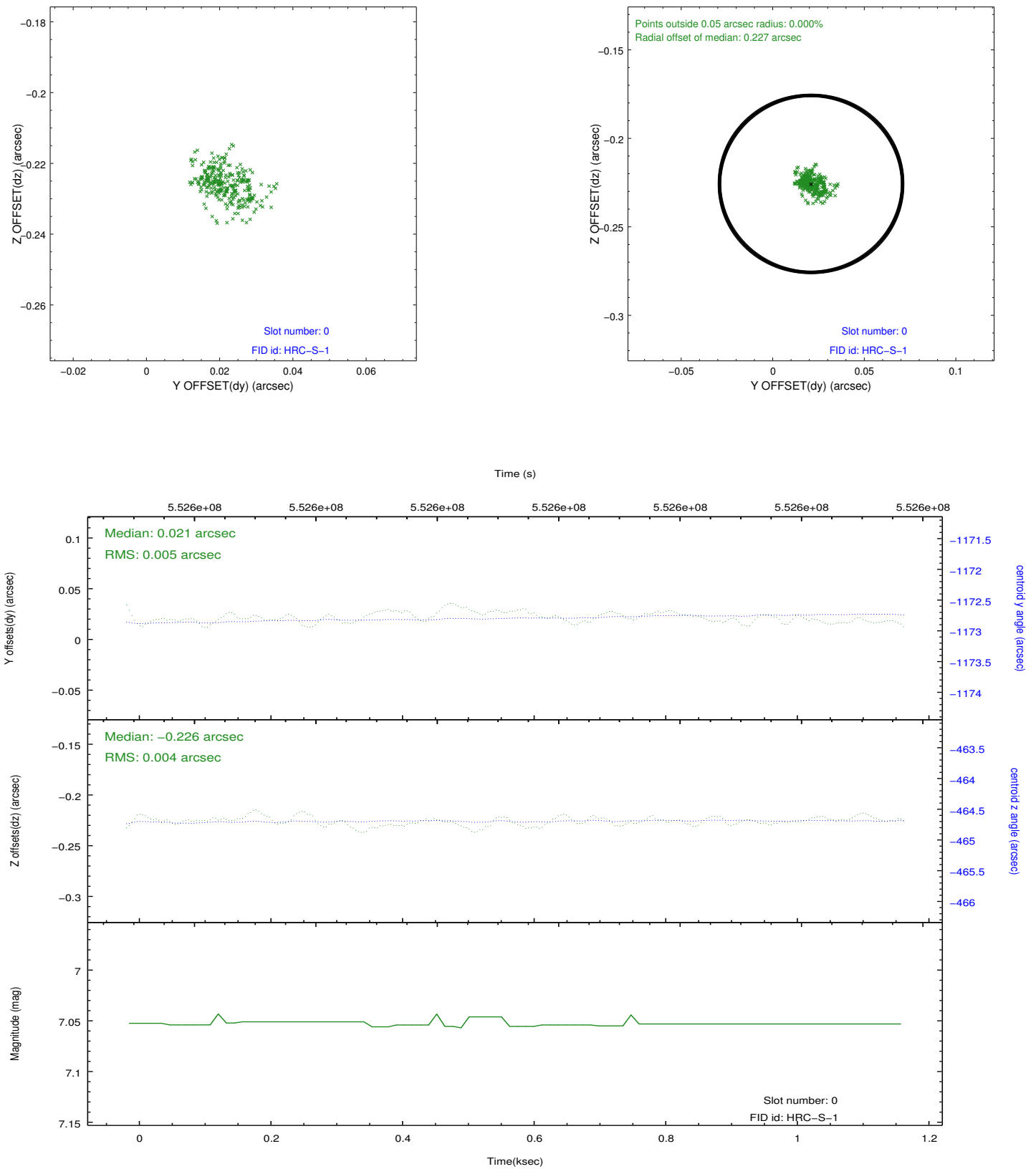


2.4.5 Slot 7

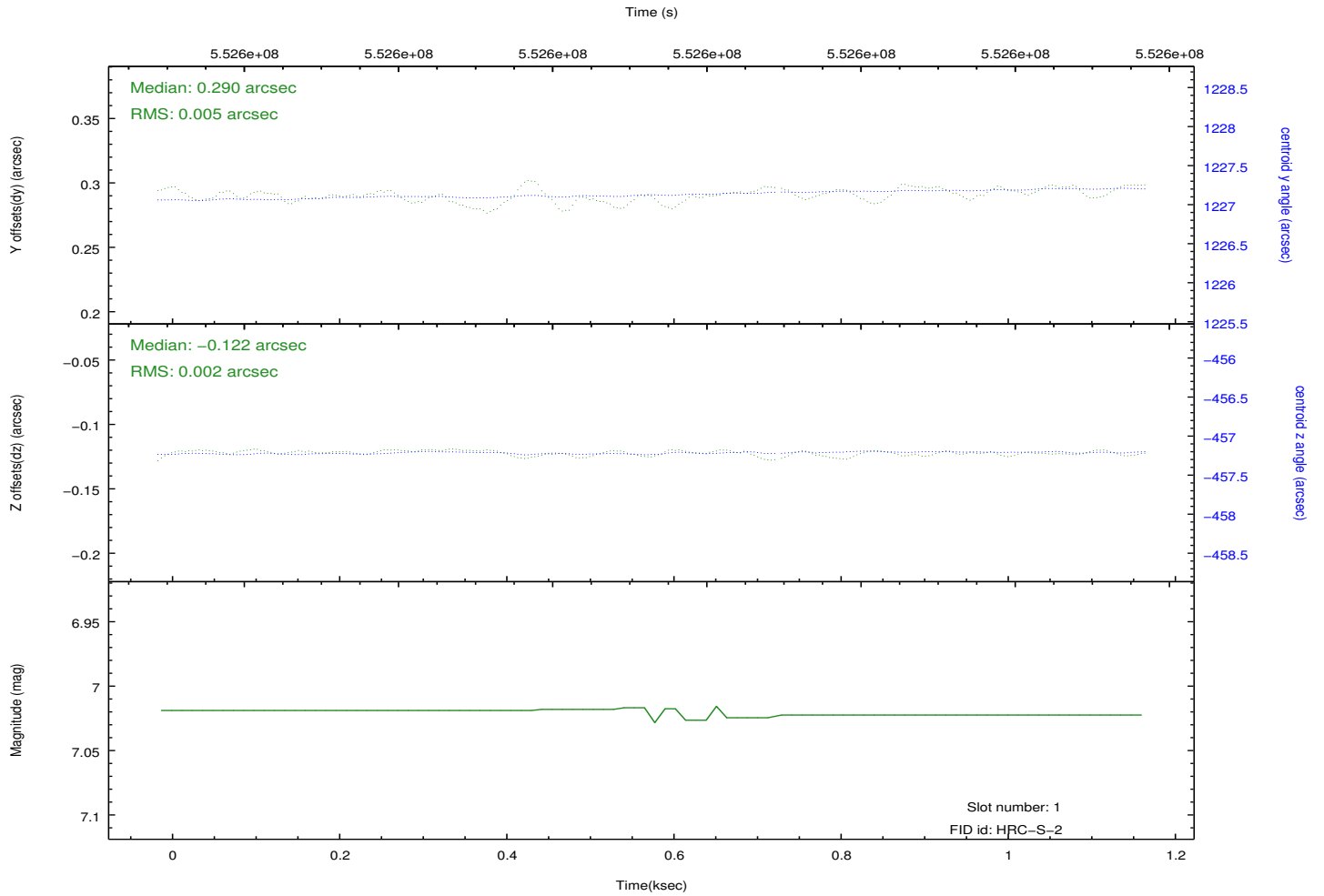
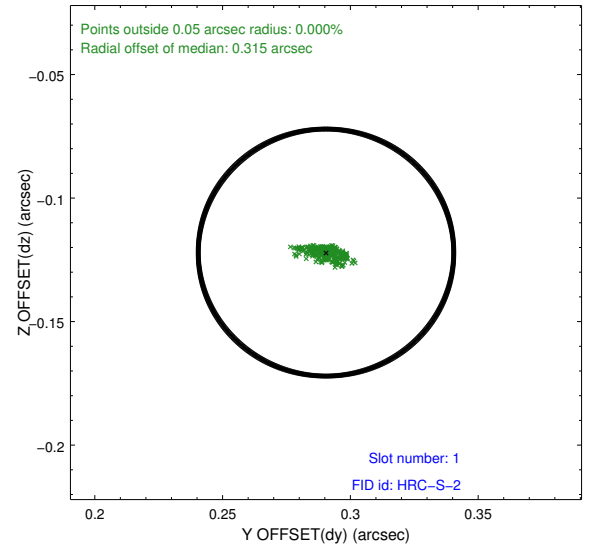
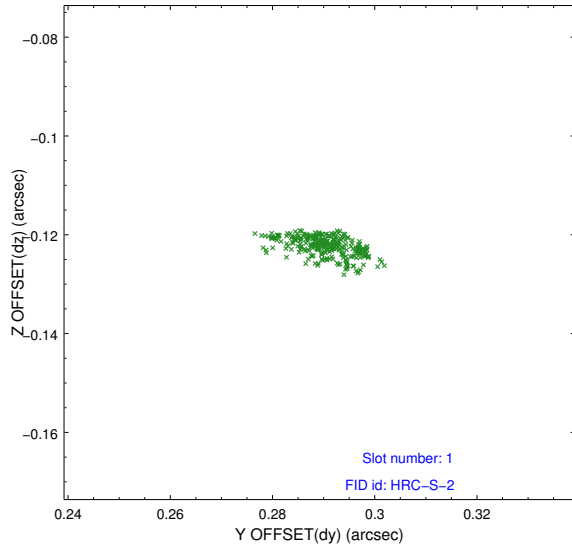


2.5 FID Slots

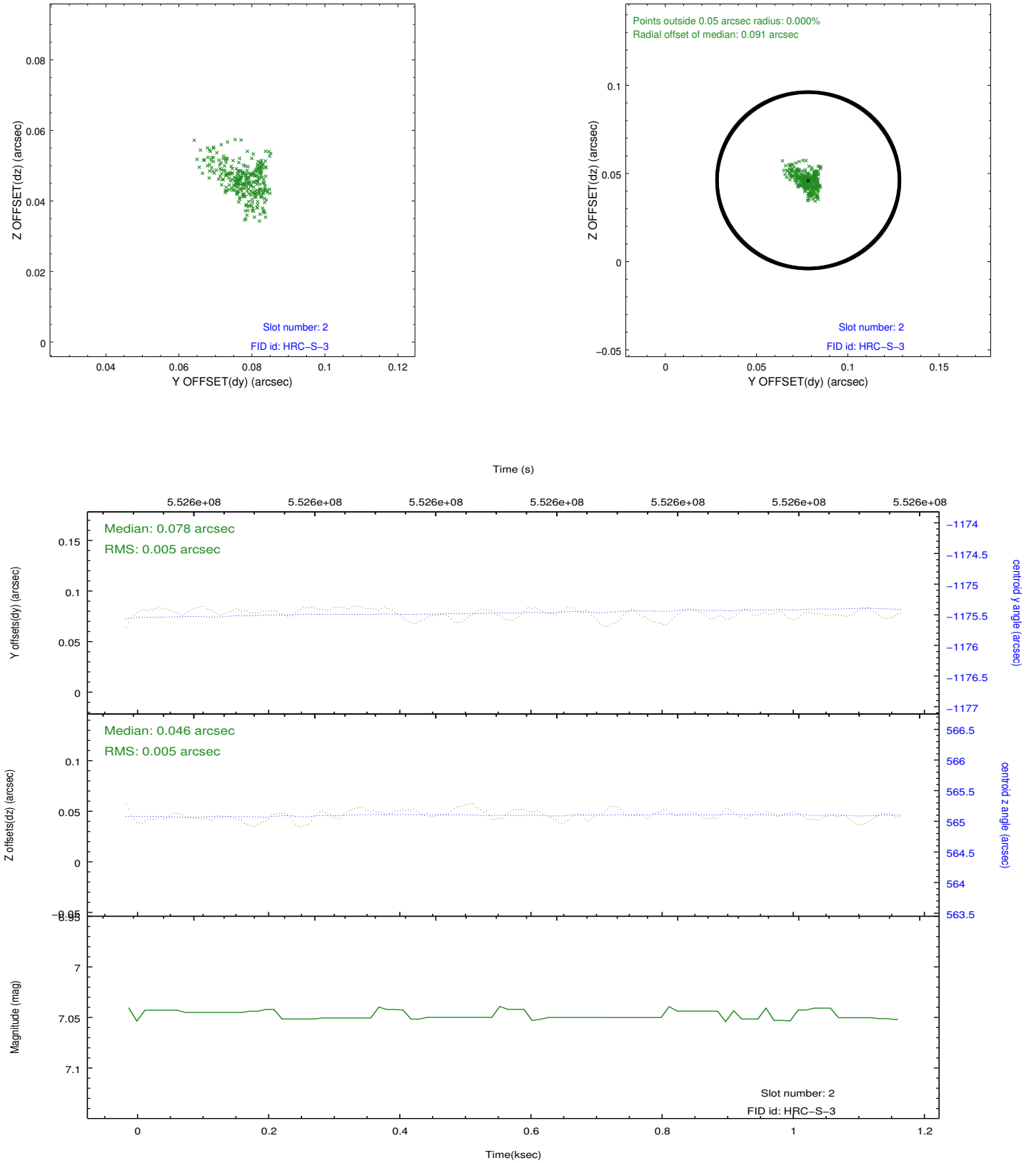
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.07.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1533813147545

A.2 Comments