

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18375 - L2 Version 1
Chandra X-Ray Center

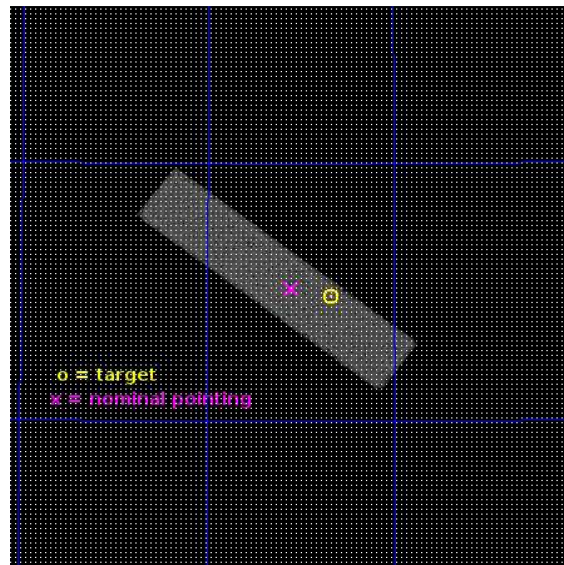
L2 Processing Date : Sep 23 2016

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1 Front

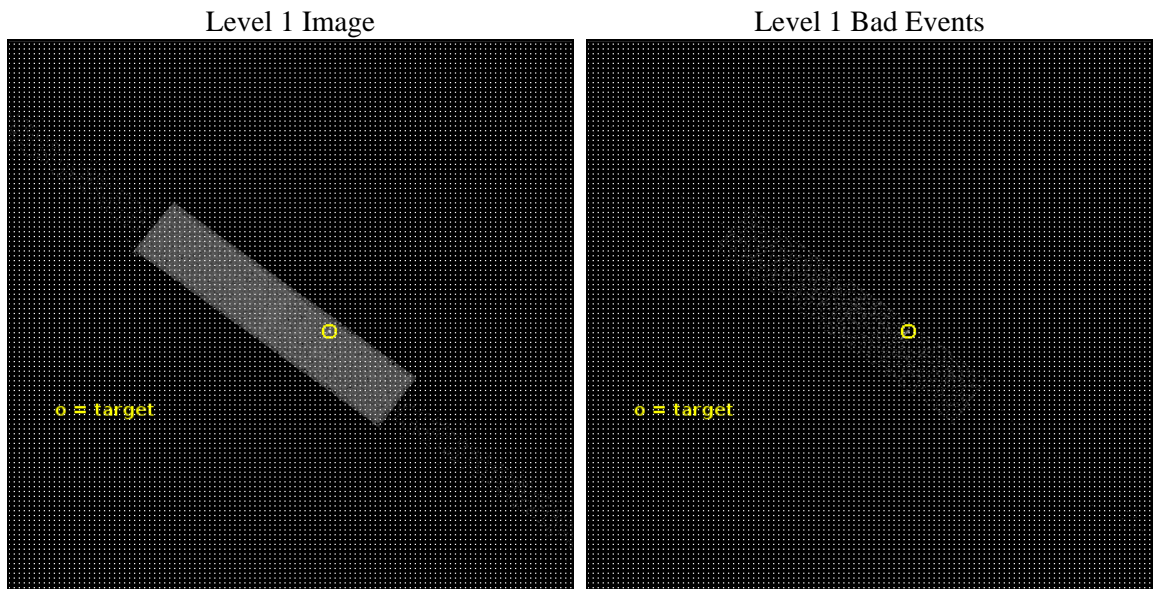
seq_num	291270	Sequence number
obs_id	18375	Observation id
title	AO-17 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.27447441016	Nominal RA [deg]
dec_nom	45.756406008029	Nominal Dec [deg]
roll_nom	216.88095530653	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1149.0250661373	[s]
livetime	1140.5766695736	Ontime multiplied by DTCOR
l2events	65372	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 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	1149.0250661373	[s]
caldsver	4.7.2	 	l1events	100217	Number of level 1 events
date	2016-09-23T18:34:49	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

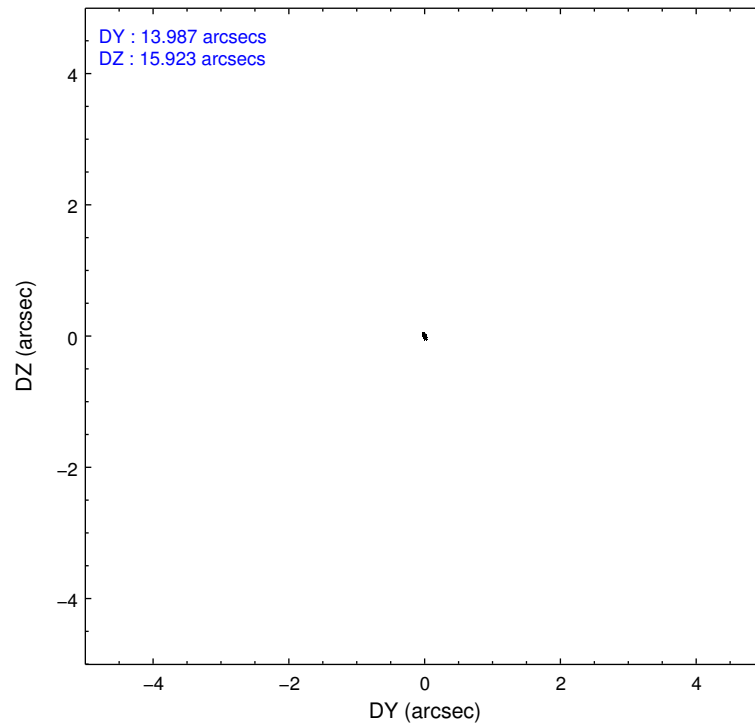
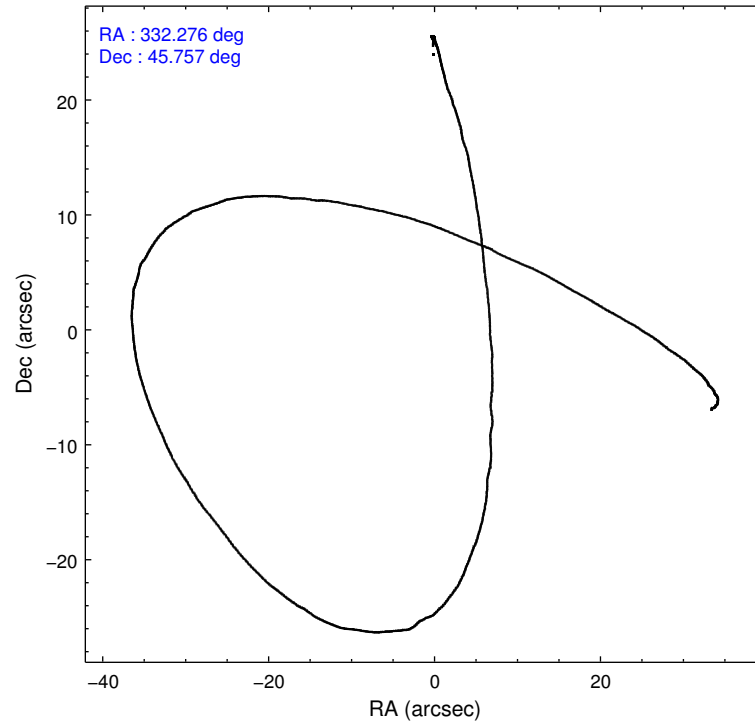
Level 1 Events

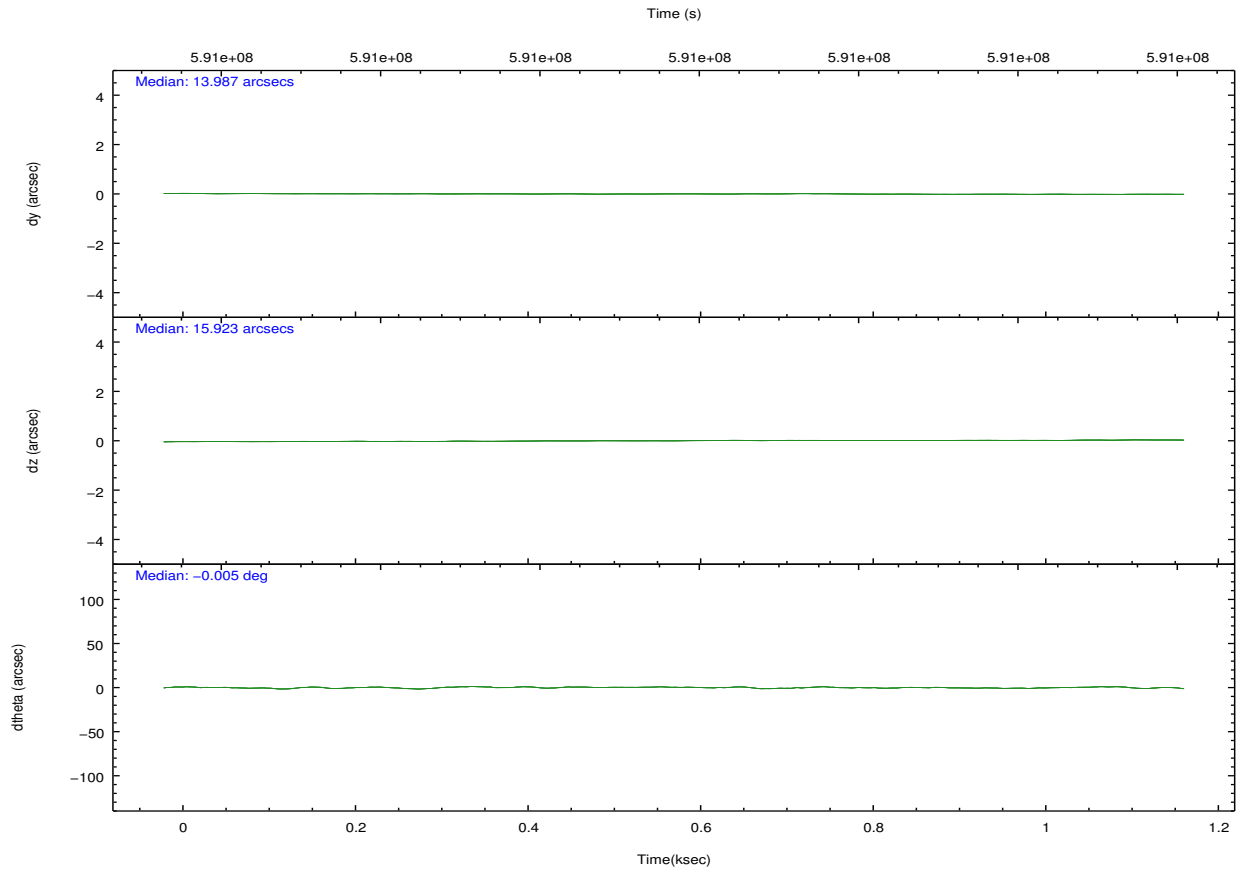
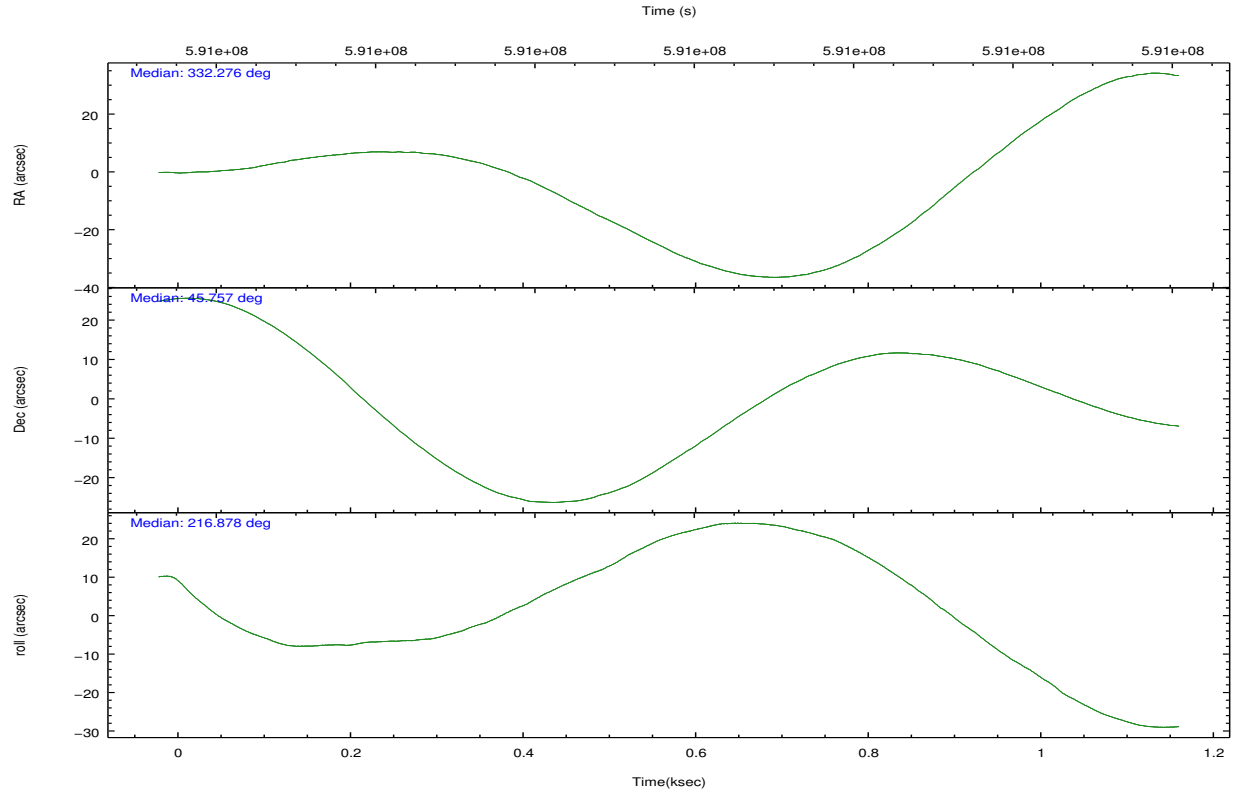
	segment 1	segment 2	segment 3
level 1 events	867	98476	874
rejected events	867	22756	874
rejected %	100%	23%	100%

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	332.288397	332.2744744101552			
[deg] Pointing Dec	45.783158	45.75640600802902			
[deg] Pointing Roll	216.803577	216.8809553065294			
[mm] SIM focus pos	-1.533336	-1.526339935833849			
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904			
[mm] SIM translation stage pos	250.455976	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	590998752.184000	590998376.3785			
Observation start date	2016-09-23T06:18:04	2016-09-23T06:12:56			
[s] Observation end time (MET)	590999752.184000	590999886.71609			
Observation end date	2016-09-23T06:34:44	2016-09-23T06:38:06			

2.3 Aspect



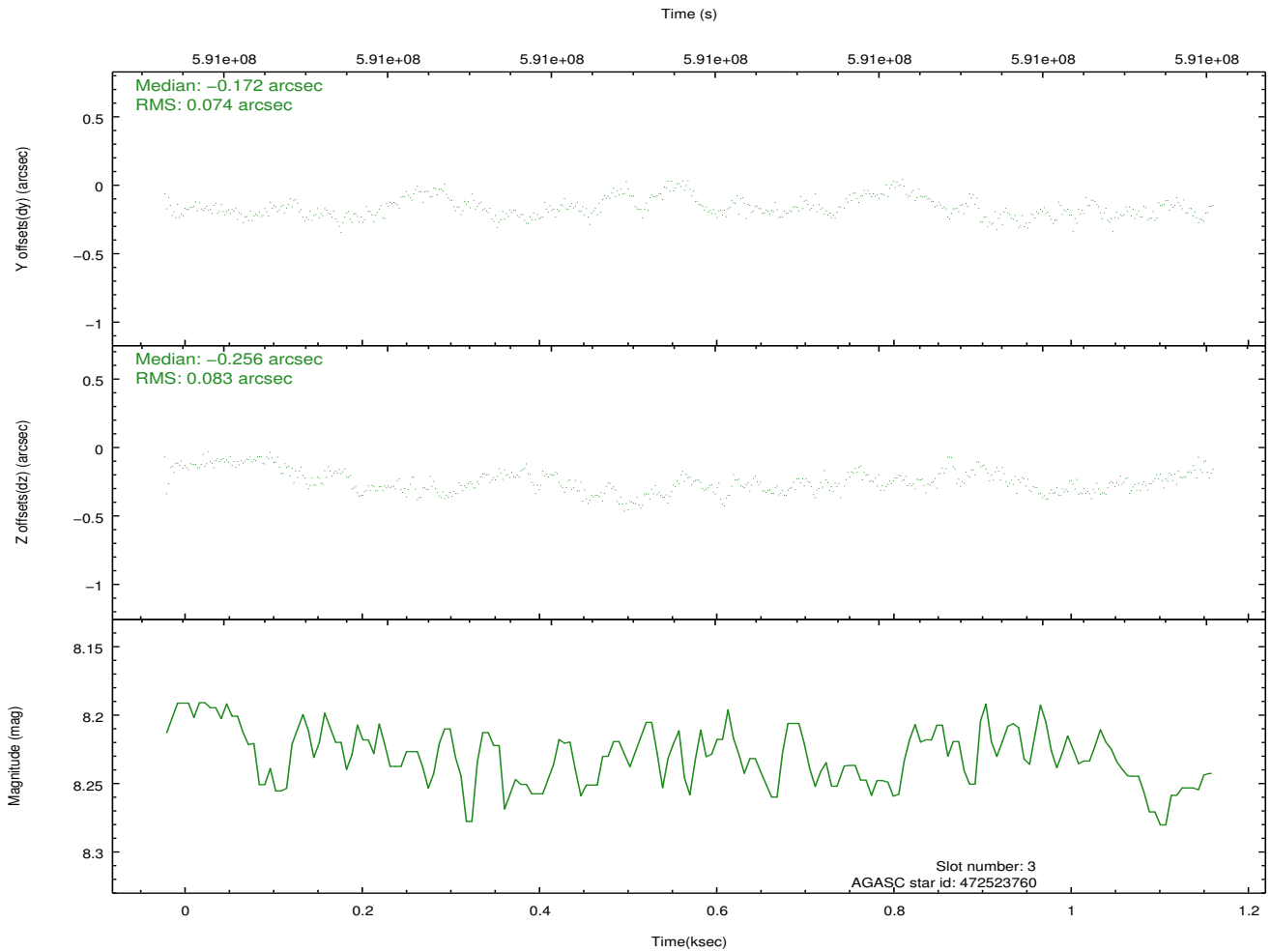
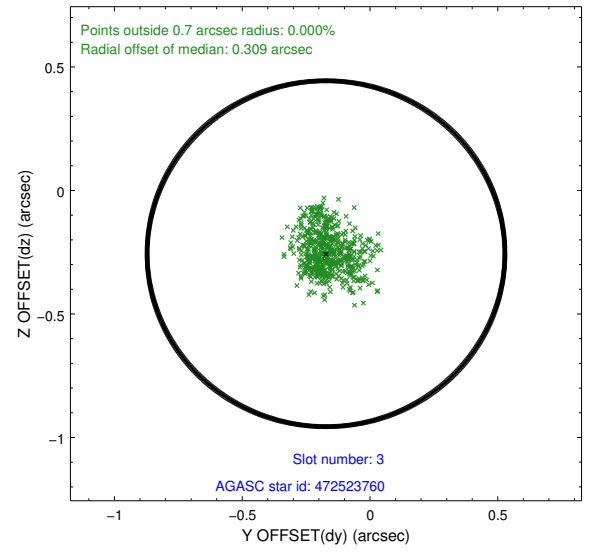
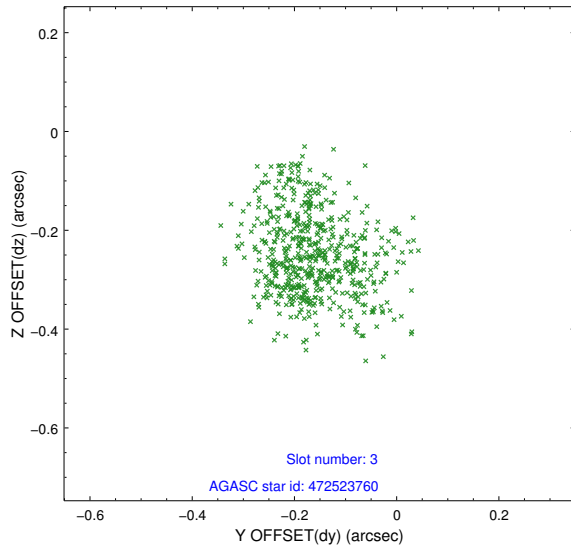


Slot Statistics

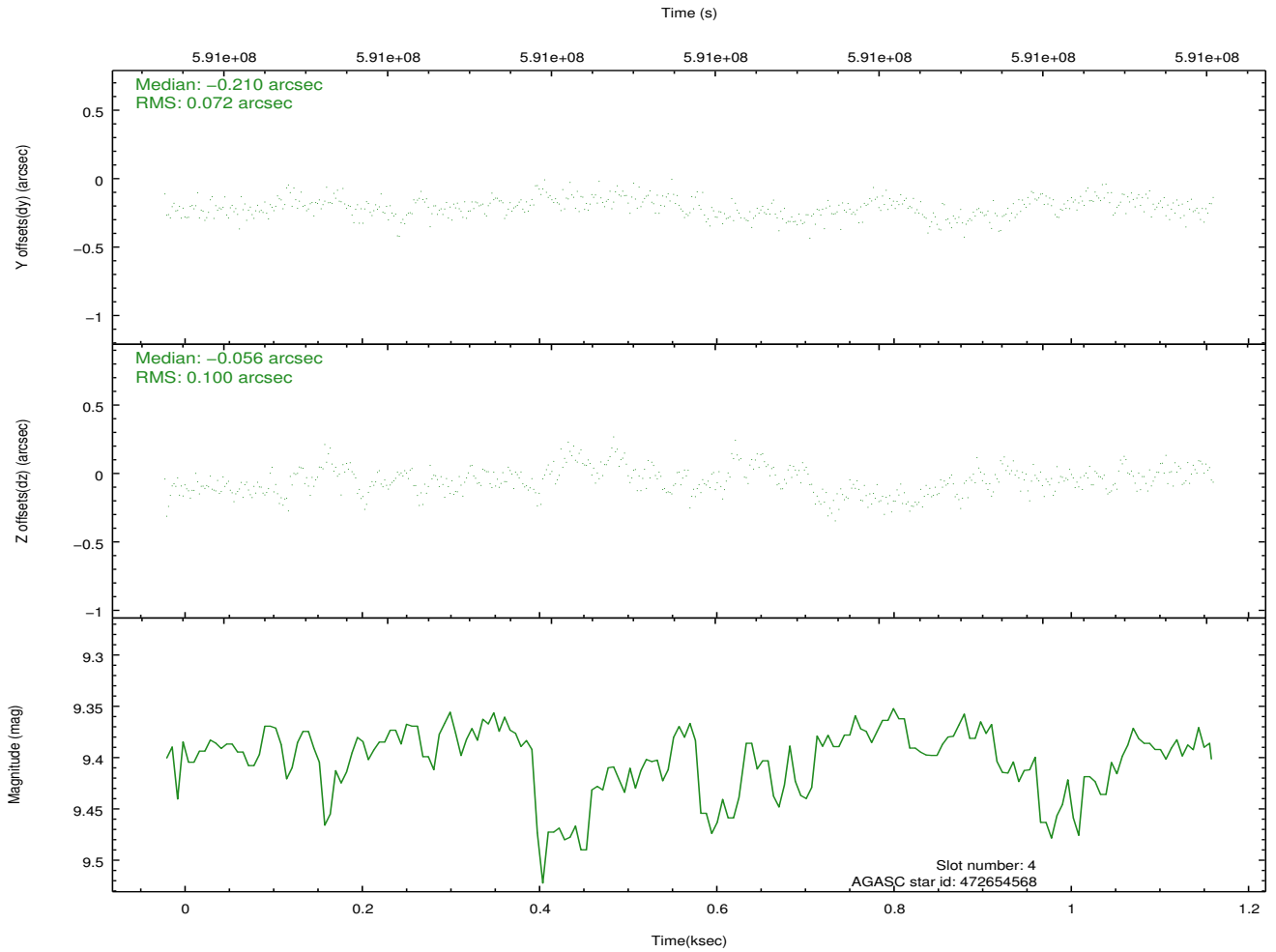
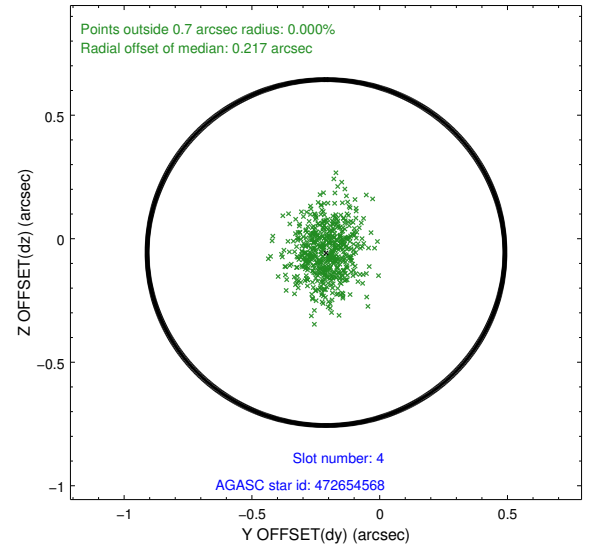
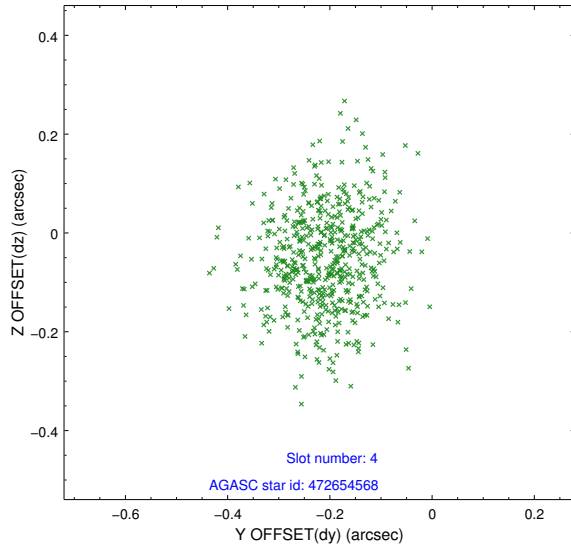
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.07	289	-0.022	-0.235	0.006	0.010	0.000000	0.000000	-1168.44	-464.84
1	FID		HRC-S-2	7.05	289	0.354	-0.130	0.005	0.009	0.000000	0.000000	1227.56	-458.93
2	FID		HRC-S-3	7.04	289	0.058	0.064	0.006	0.011	0.000000	0.000000	-1166.85	563.39
3	GUIDE	used	472523760	8.23	577	-0.172	-0.256	0.118	0.188	331.645363	45.403260	2118.97	116.50
4	GUIDE	used	472654568	9.39	577	-0.210	-0.056	0.129	0.216	332.194449	45.063576	1748.69	1931.79
5	GUIDE	used	472665256	8.98	578	0.137	0.265	0.124	0.201	332.808125	46.195041	-1922.54	-410.67
6	GUIDE	used	472533912	9.12	578	0.251	0.201	0.145	0.263	331.791136	46.368695	-276.94	-2430.84
7	GUIDE	used	472655152	9.41	577	-0.003	-0.164	0.202	0.393	332.504239	45.862991	-604.26	89.86

2.4 Star Slots

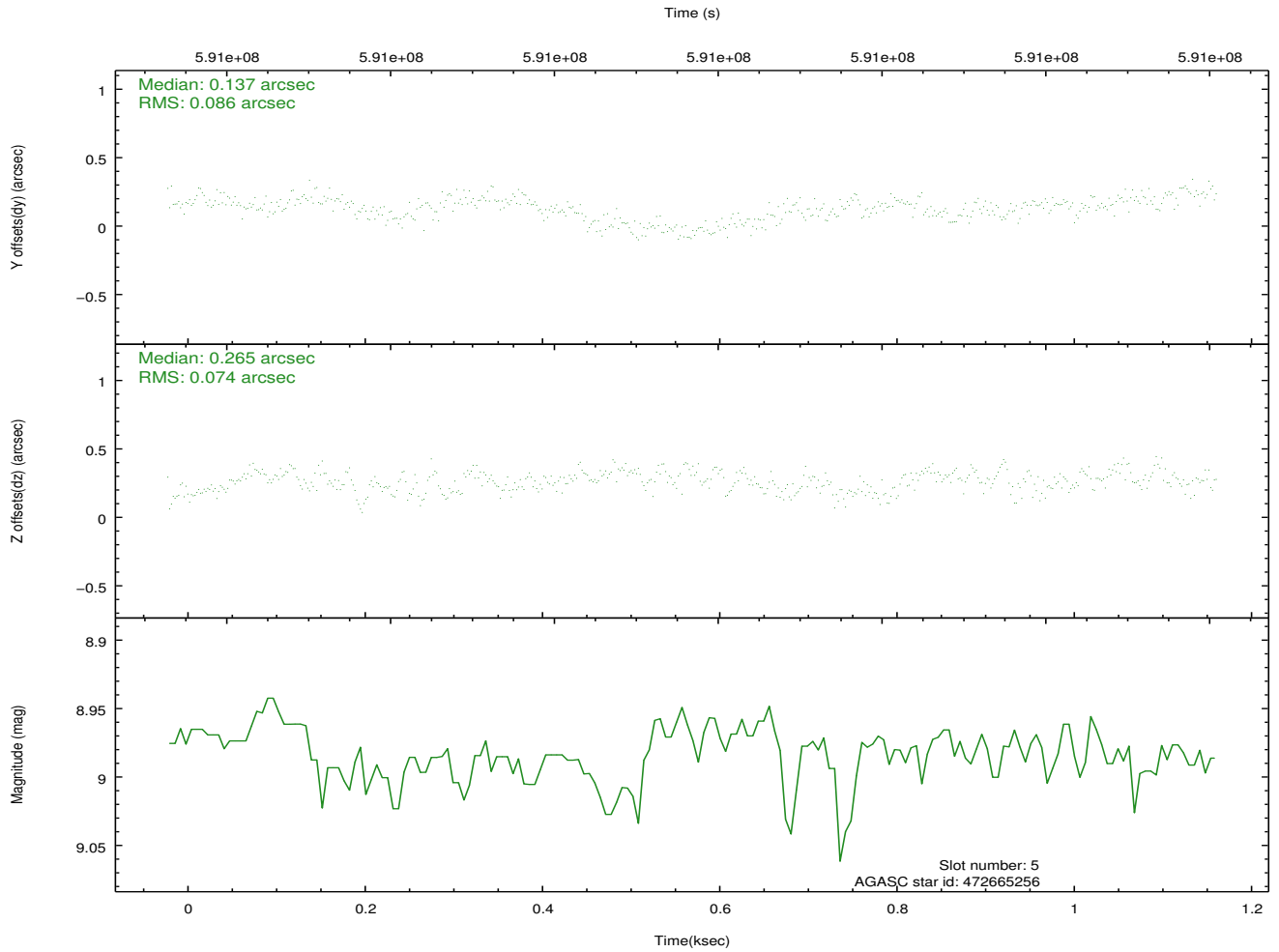
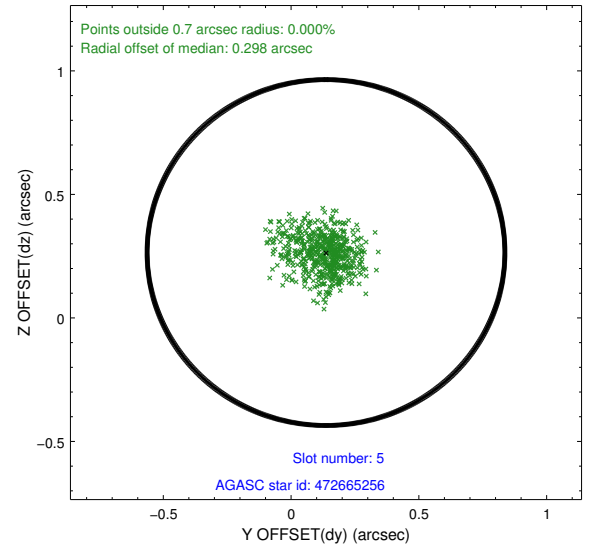
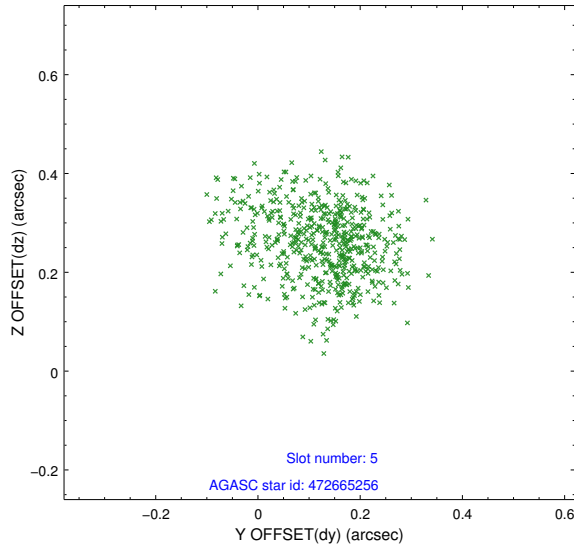
2.4.1 Slot 3



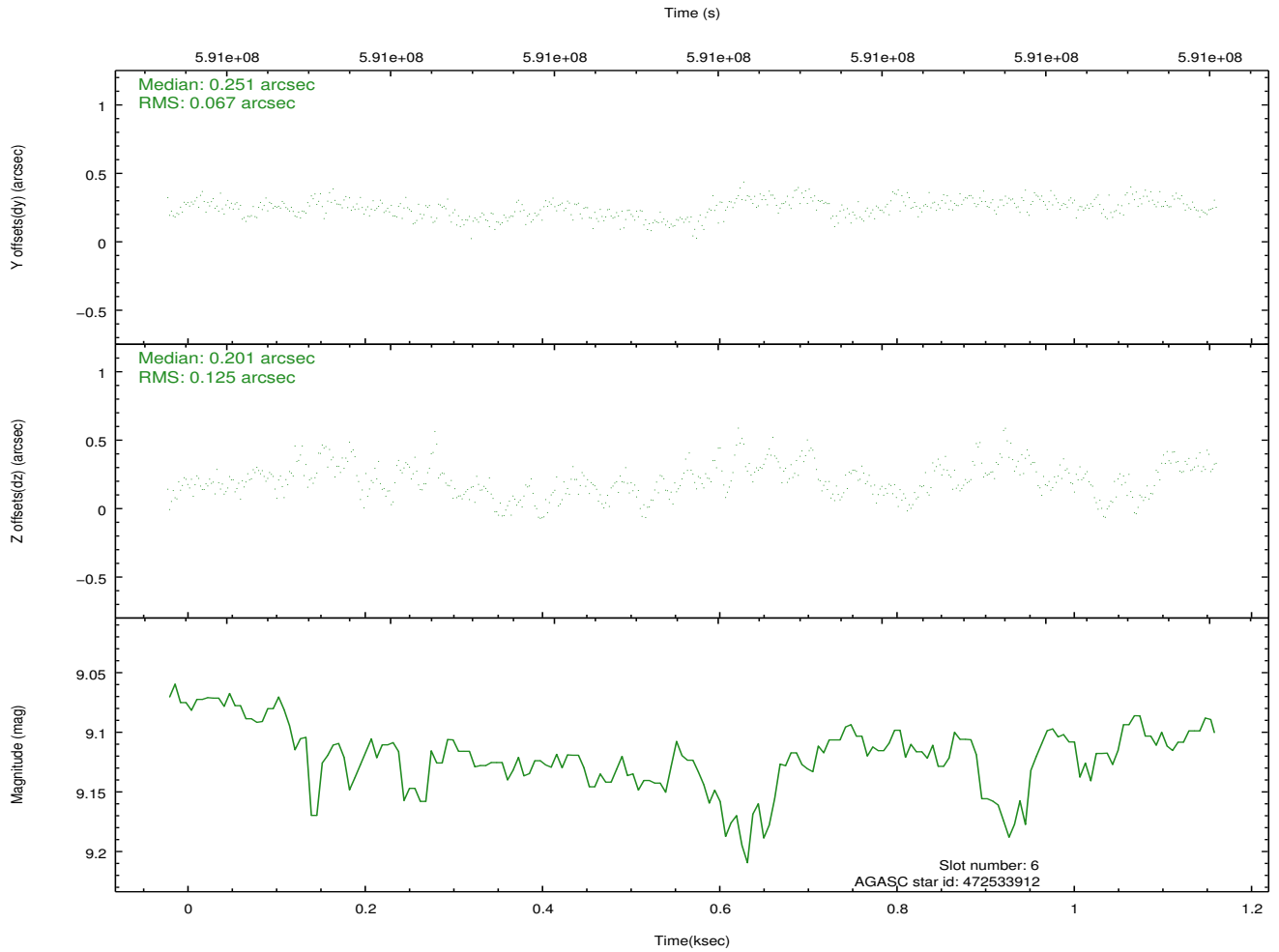
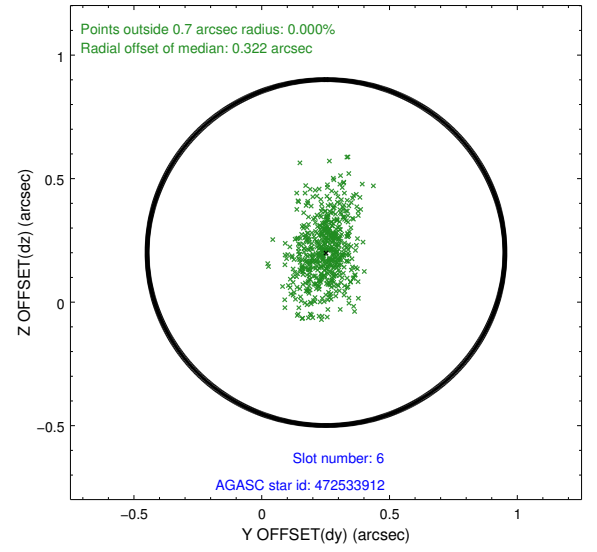
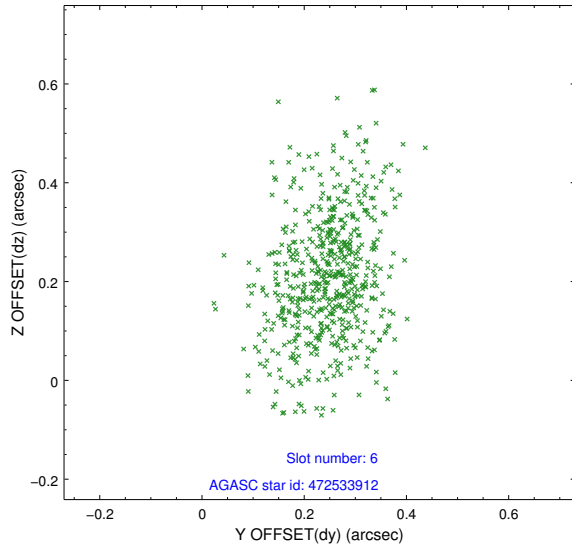
2.4.2 Slot 4



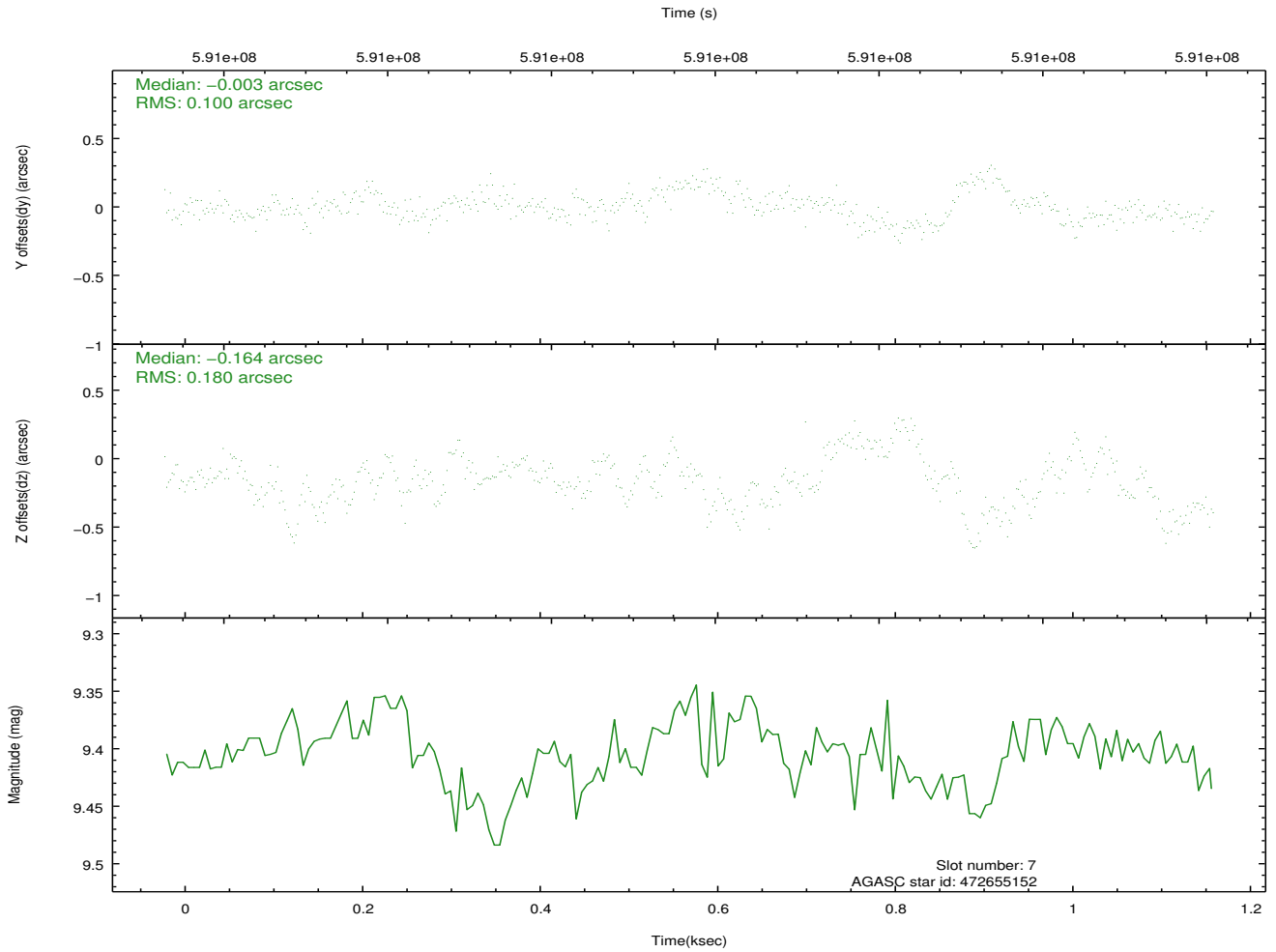
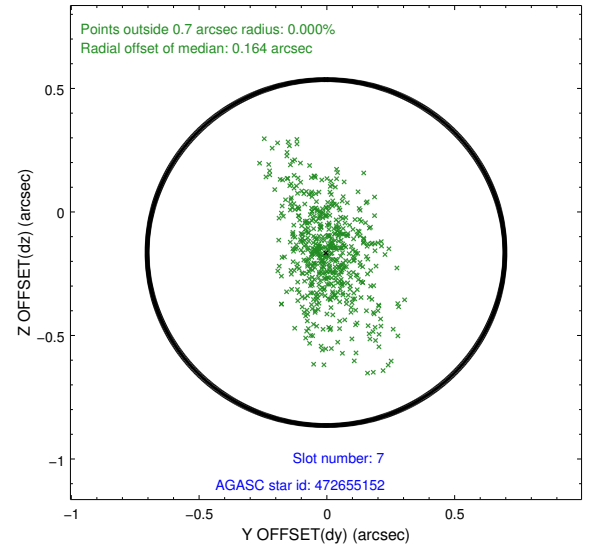
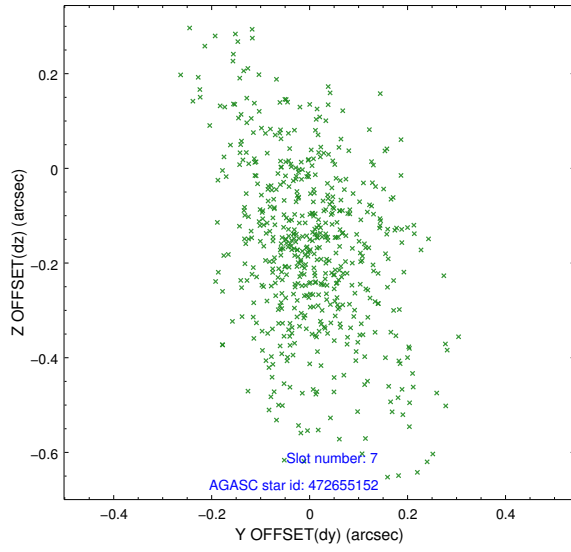
2.4.3 Slot 5



2.4.4 Slot 6

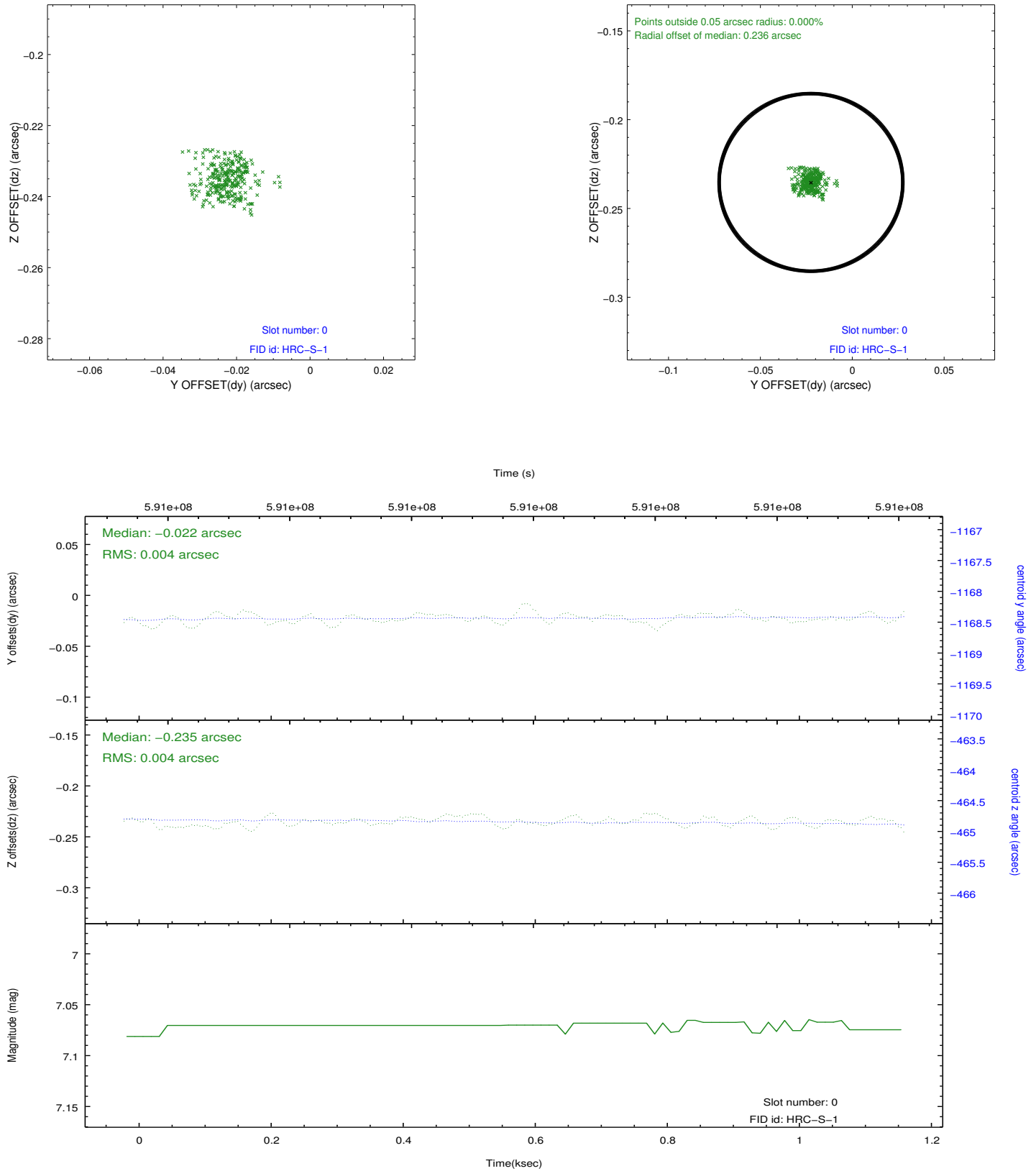


2.4.5 Slot 7

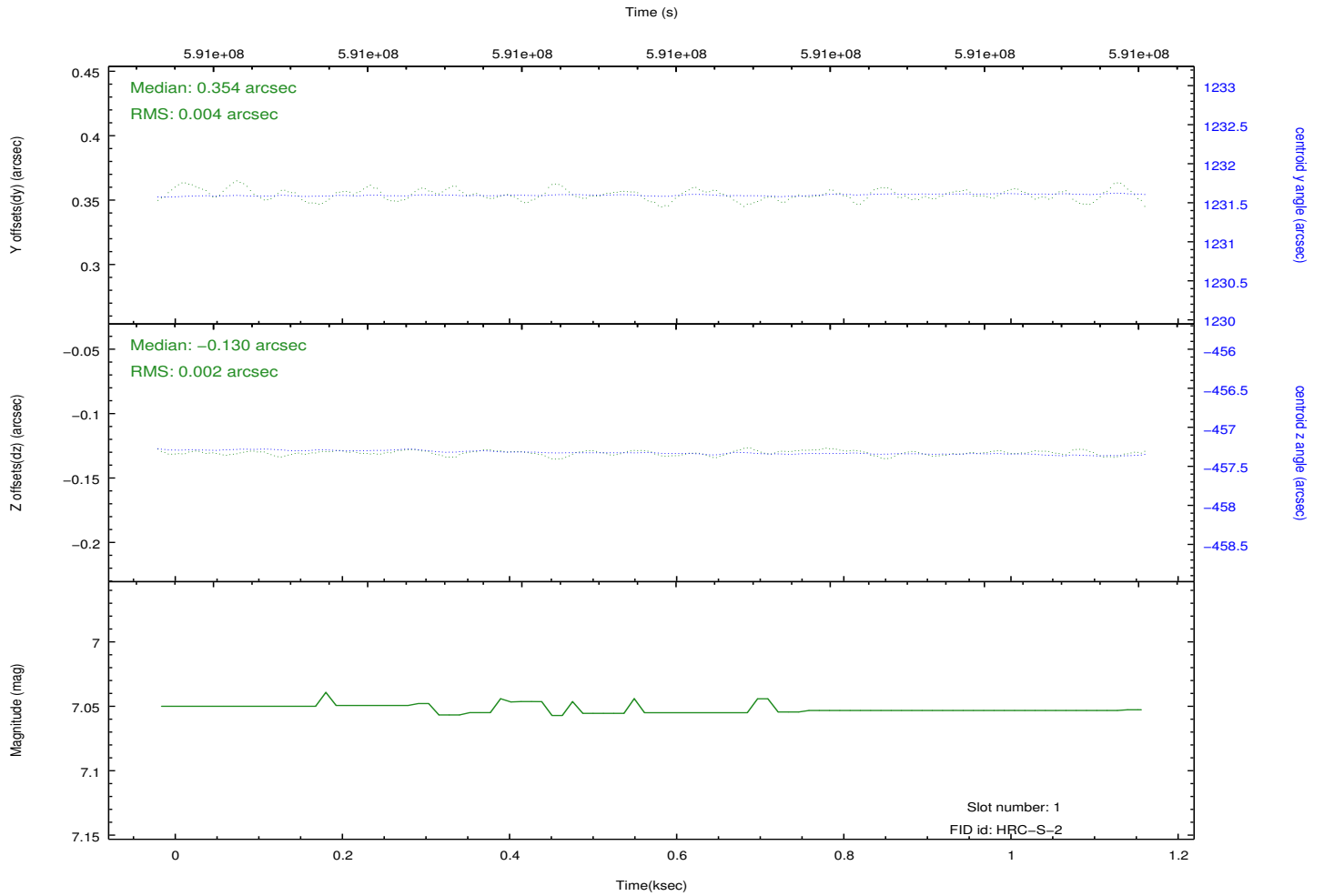
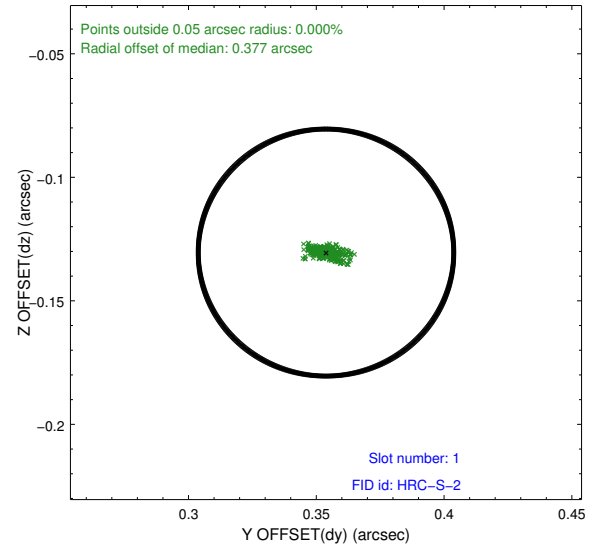
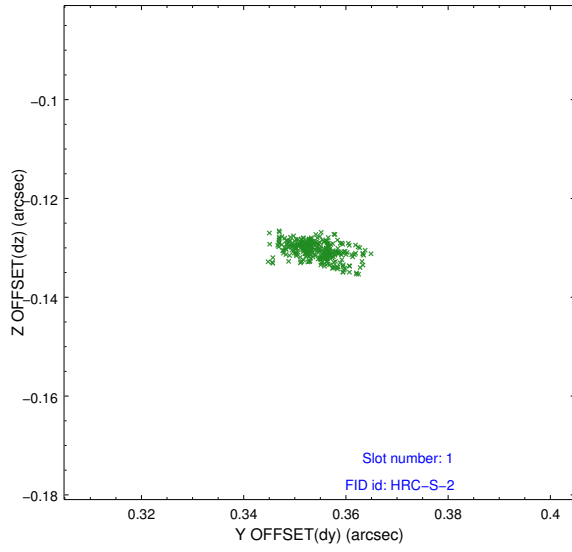


2.5 FID Slots

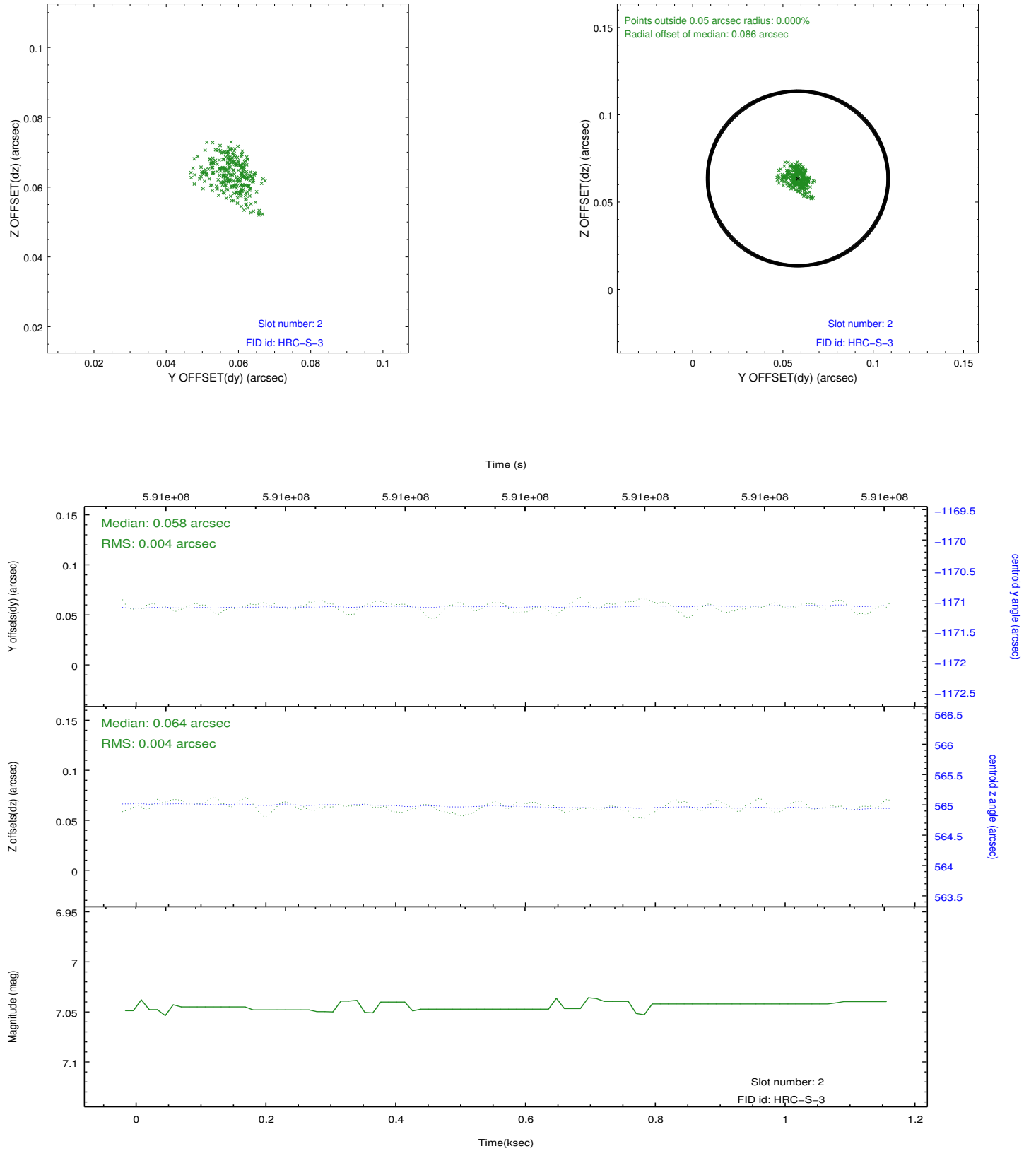
2.5.1 Slot 0



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)	2016.09.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1490250661373

A.2 Comments