

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18401 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 21 2016

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1 Front

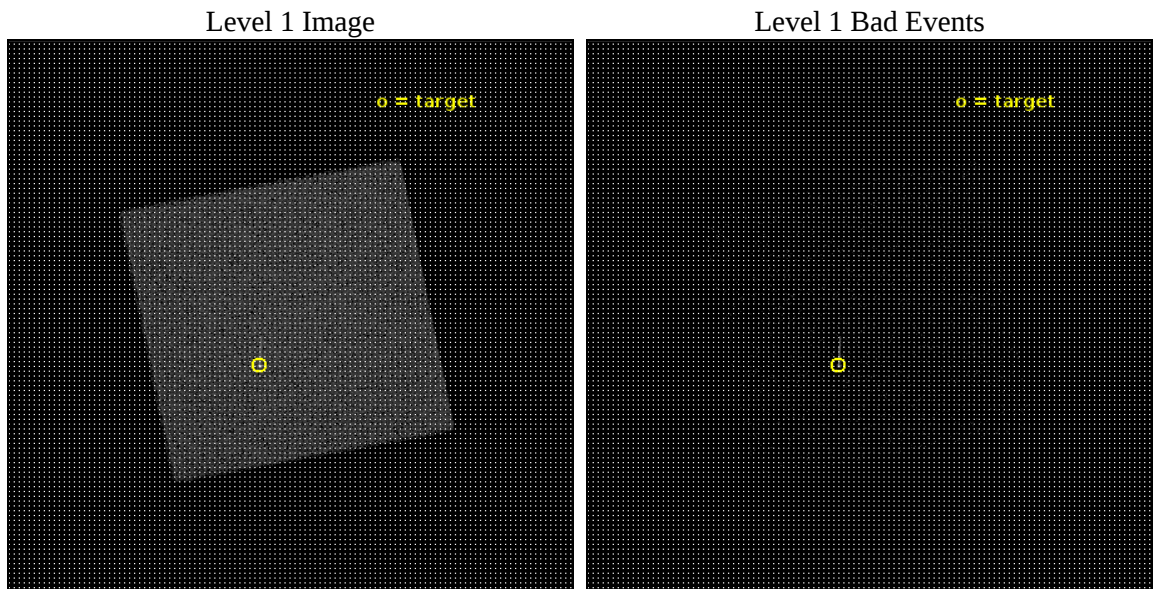
seq_num	291296	Sequence number
obs_id	18401	Observation id
title	AO-17 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.08791443492	Nominal RA [deg]
dec_nom	45.823987516549	Nominal Dec [deg]
roll_nom	214.00779086286	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1182.08131814	[s]
livetime	1168.2453256709	Ontime multiplied by DTCOR
l2events	117629	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	1182.08131814	[s]
caldbver	4.7.2	 	l1events	197173	Number of level 1 events
date	2016-09-21T12:46:23	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

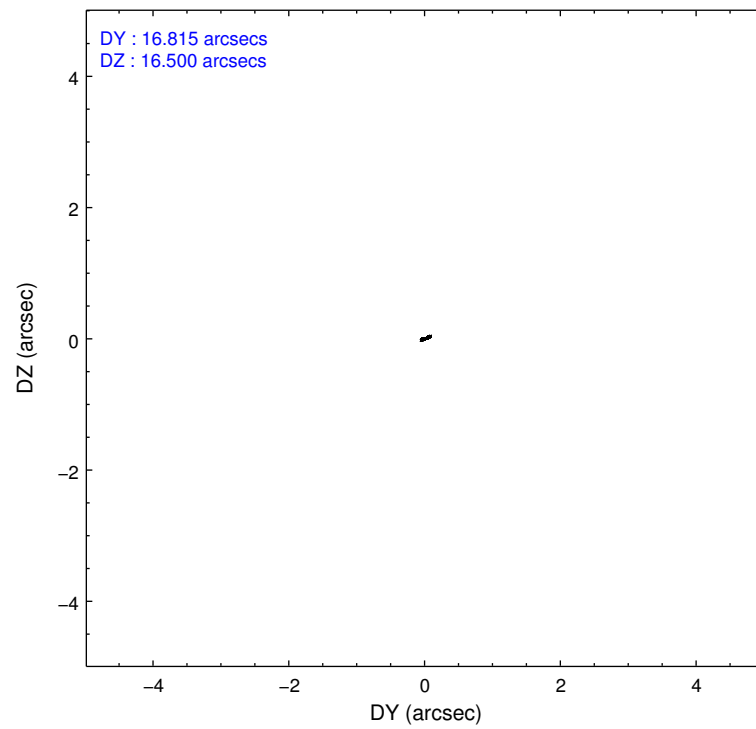
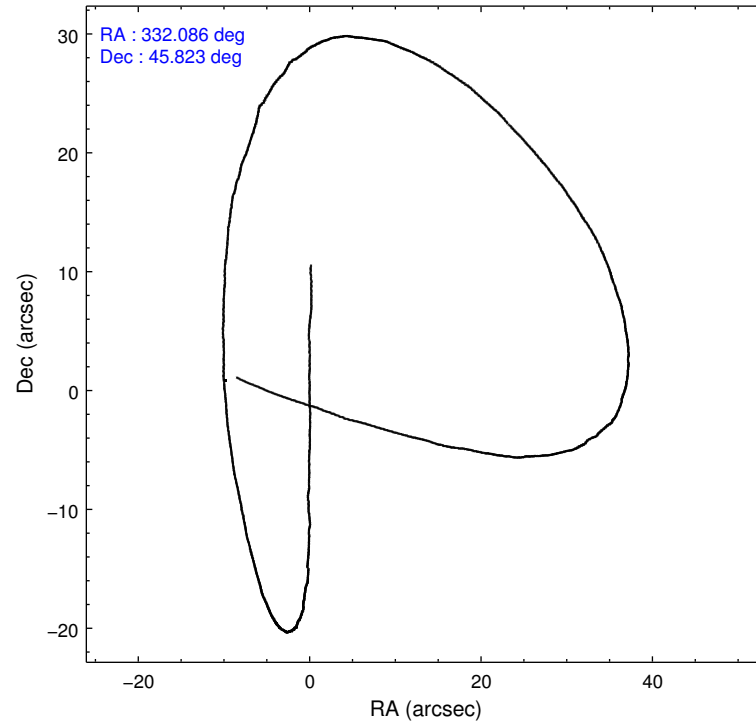
	segment 0
level 1 events	197173
rejected events	42627
rejected %	21%

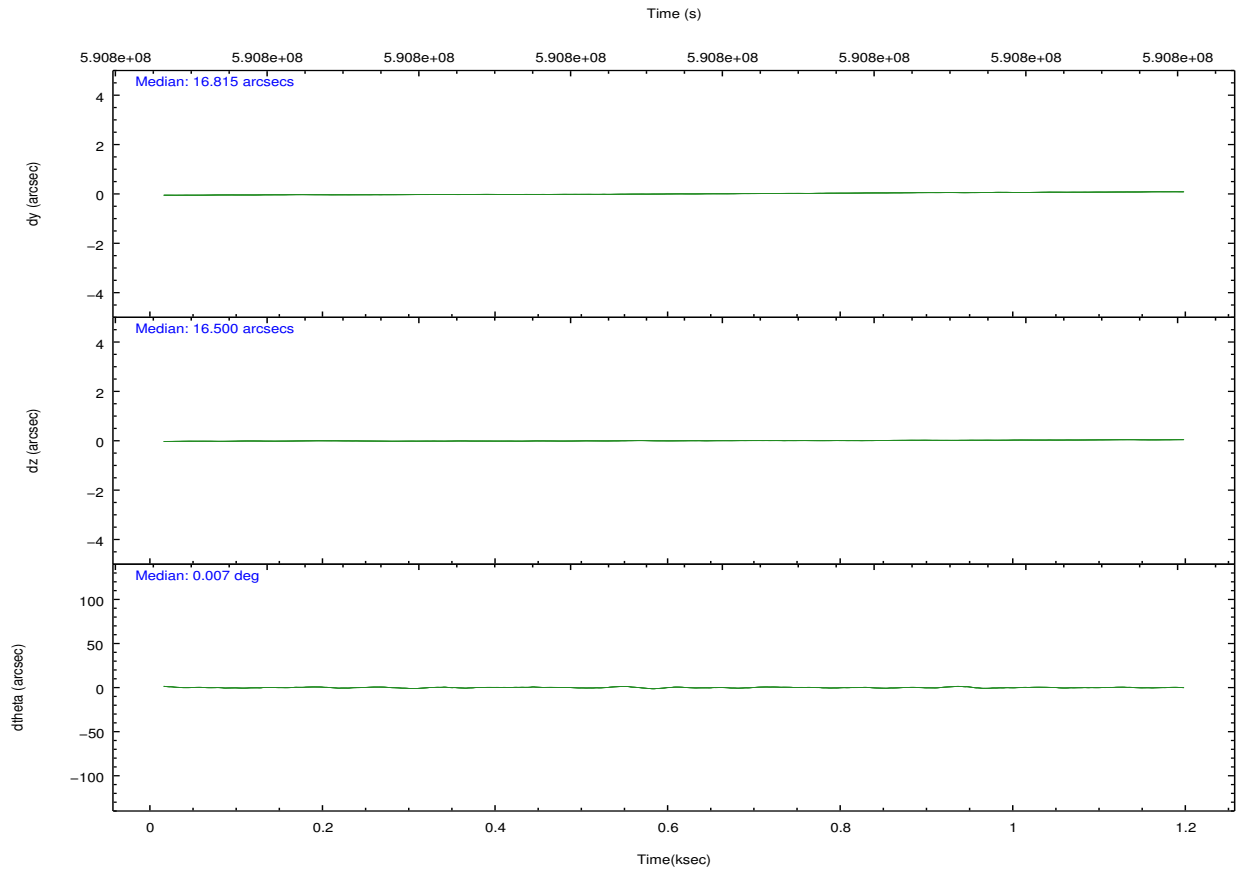
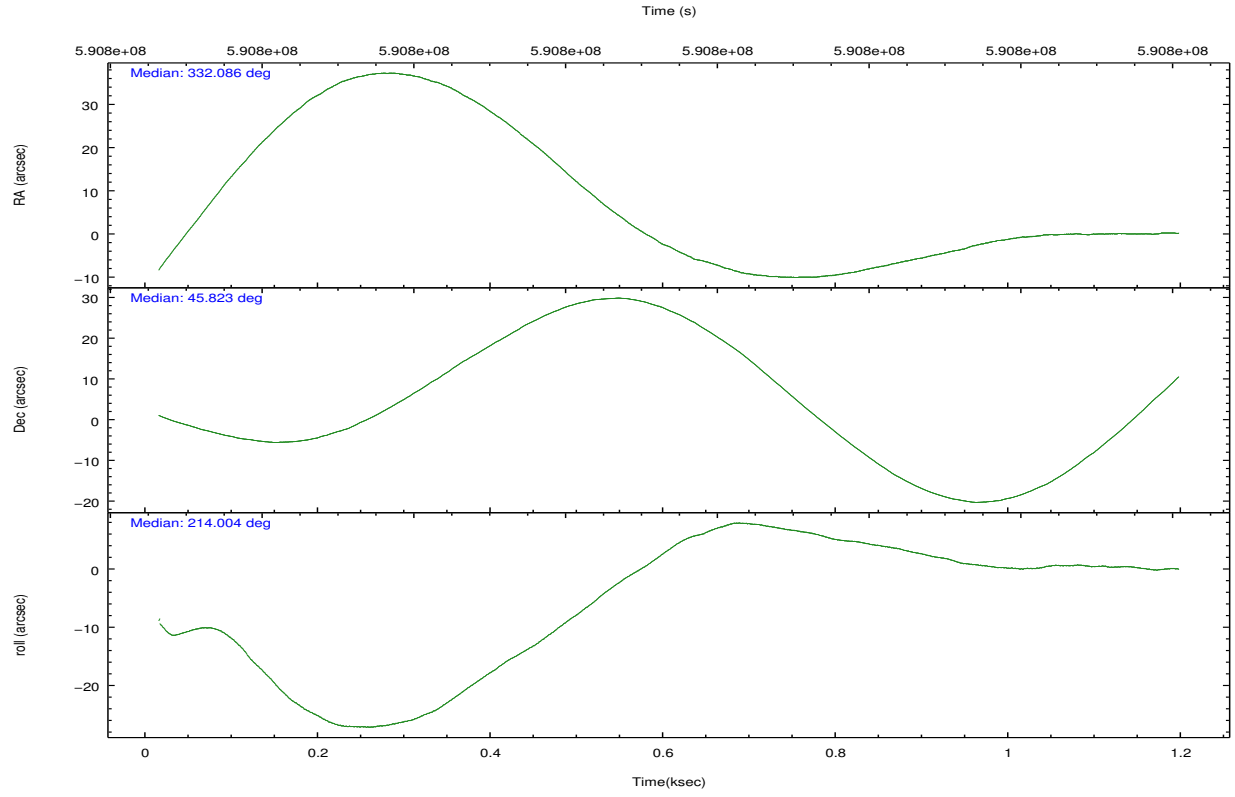
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.103428	332.087914434921
[deg] Pointing Dec	45.849831	45.82398751654925
[deg] Pointing Roll	214.092151	214.0077908628551
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9829799899862
[mm] SIM translation stage offset	0	0.002508901615314585
[s] Observation start time (MET)	590797127.184000	590796751.17941
Observation start date	2016-09-20T22:17:39	2016-09-20T22:12:31
[s] Observation end time (MET)	590798127.184000	590798261.5169899
Observation end date	2016-09-20T22:34:19	2016-09-20T22:37:41

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



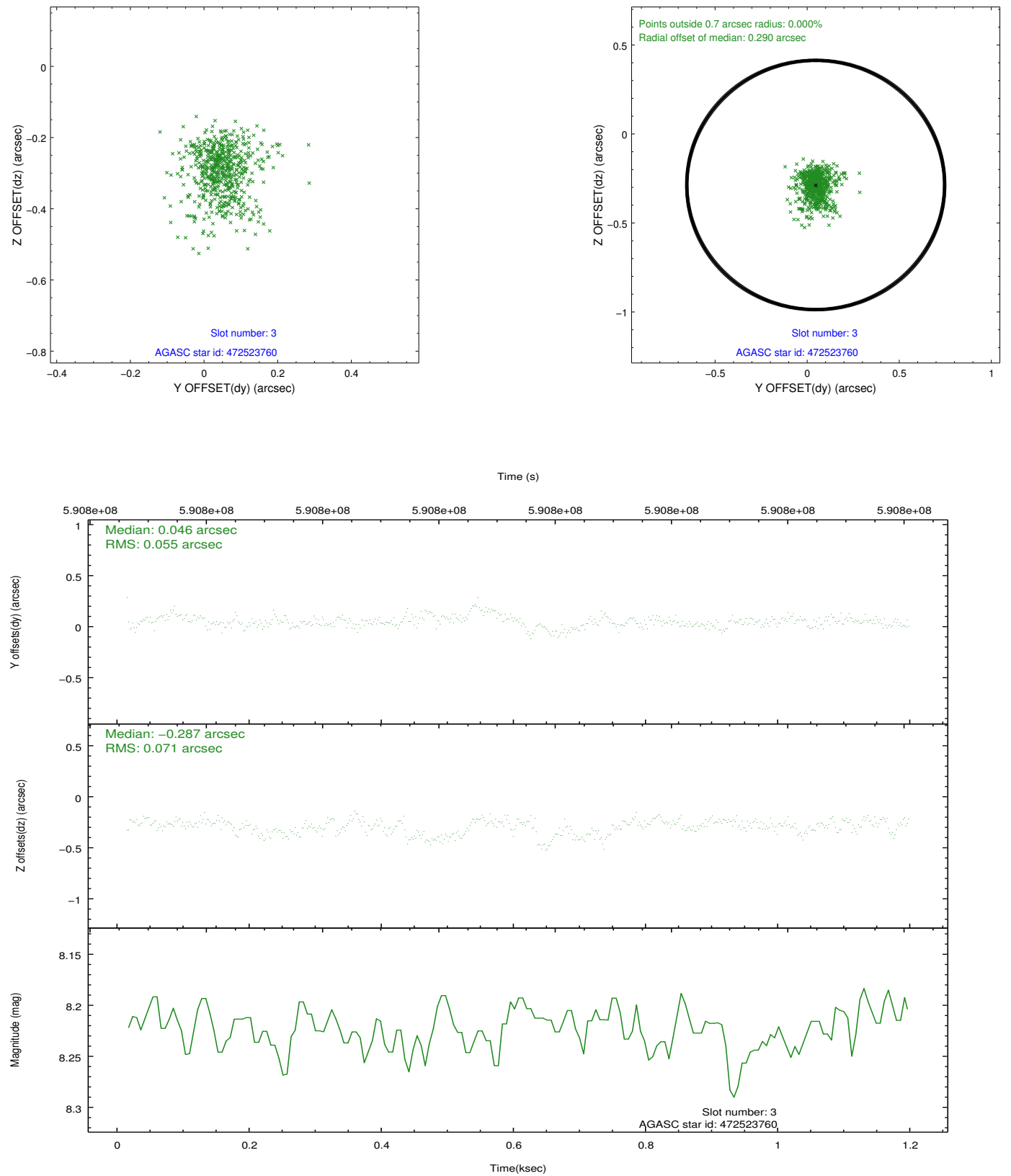


Slot Statistics

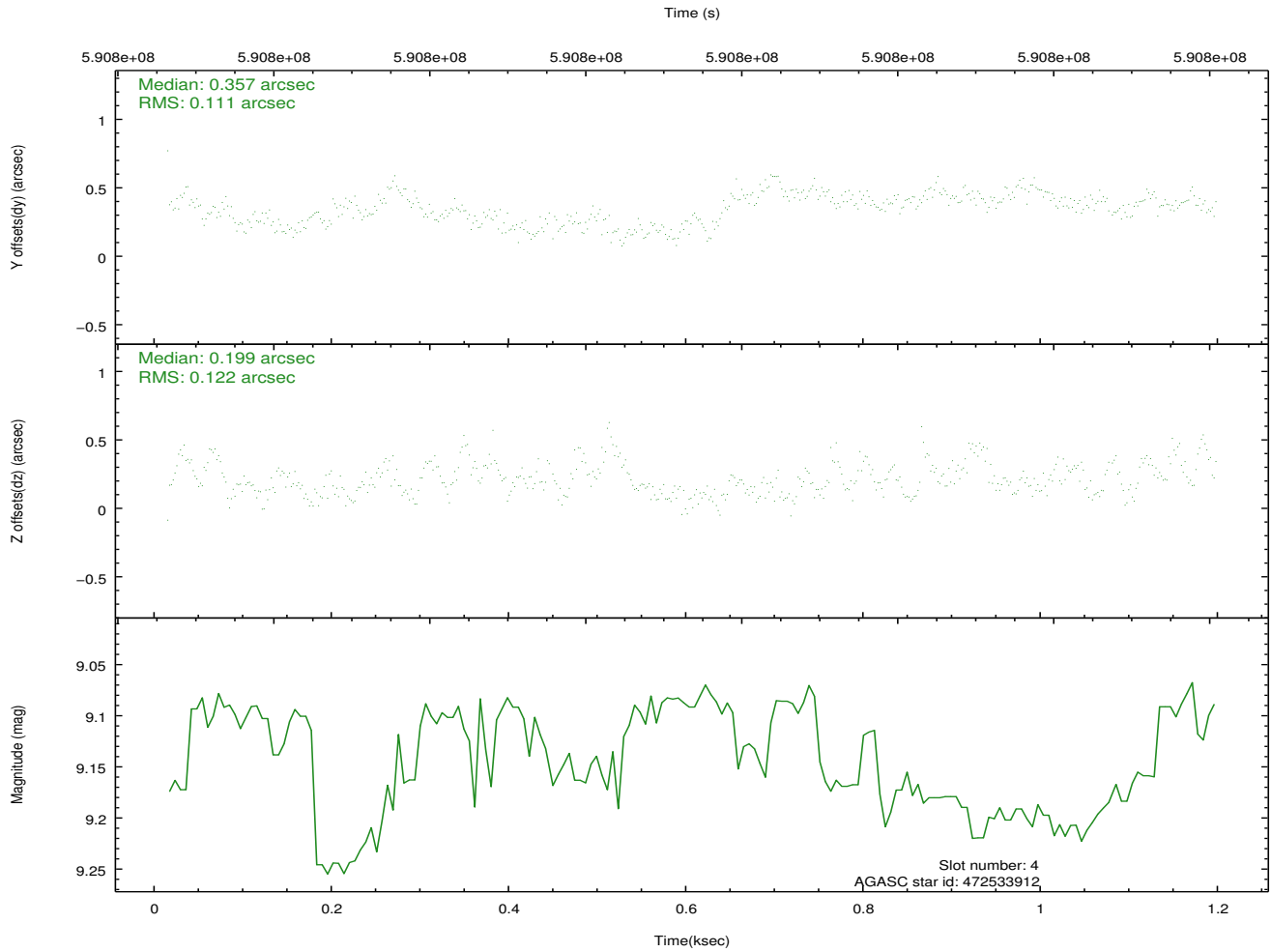
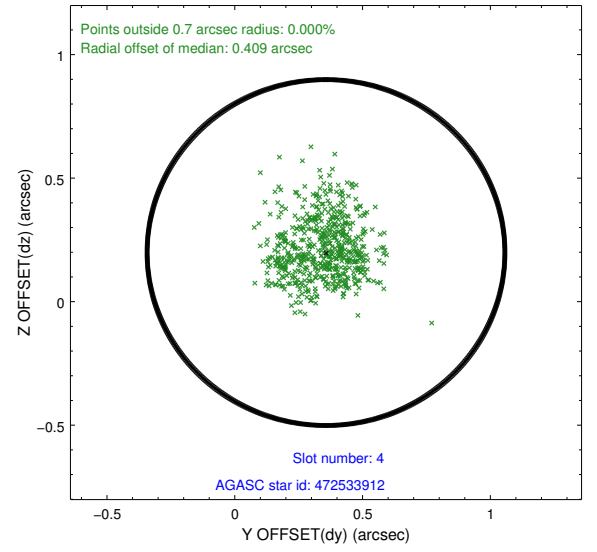
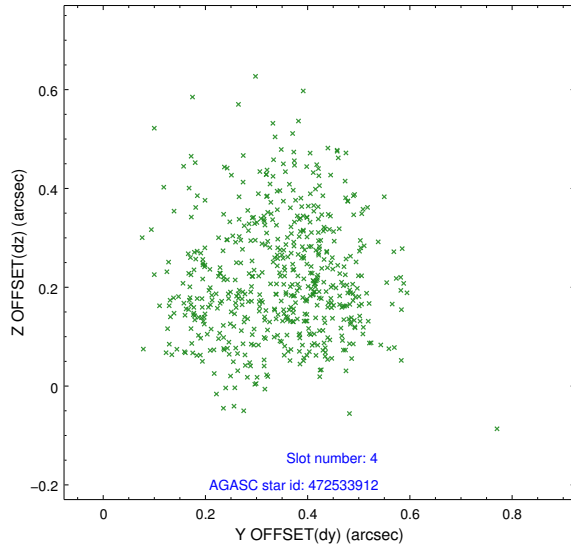
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-2	7.06	289	0.104	-0.166	0.006	0.011	0.000000	0.000000	840.10	-1306.34
1	FID		HRC-I-3	7.12	289	-0.338	0.055	0.006	0.009	0.000000	0.000000	-1198.62	995.44
2	FID		HRC-I-4	7.06	289	0.354	0.025	0.007	0.009	0.000000	0.000000	1266.30	1001.04
3	GUIDE	used	472523760	8.22	578	0.046	-0.287	0.092	0.166	331.645363	45.403260	1858.43	675.45
4	GUIDE	used	472533912	9.14	576	0.357	0.199	0.174	0.272	331.791136	46.368695	-401.56	-1985.69
5	GUIDE	used	472535576	7.86	578	-0.098	0.233	0.111	0.173	331.438373	46.291802	473.89	-2257.90
6	GUIDE	used	472655152	9.40	578	0.179	-0.014	0.152	0.255	332.504239	45.862991	-859.01	514.05
7	GUIDE	used	472525528	6.64	577	-0.477	-0.138	0.101	0.163	331.551102	45.248694	2367.73	1000.44

2.4 Star Slots

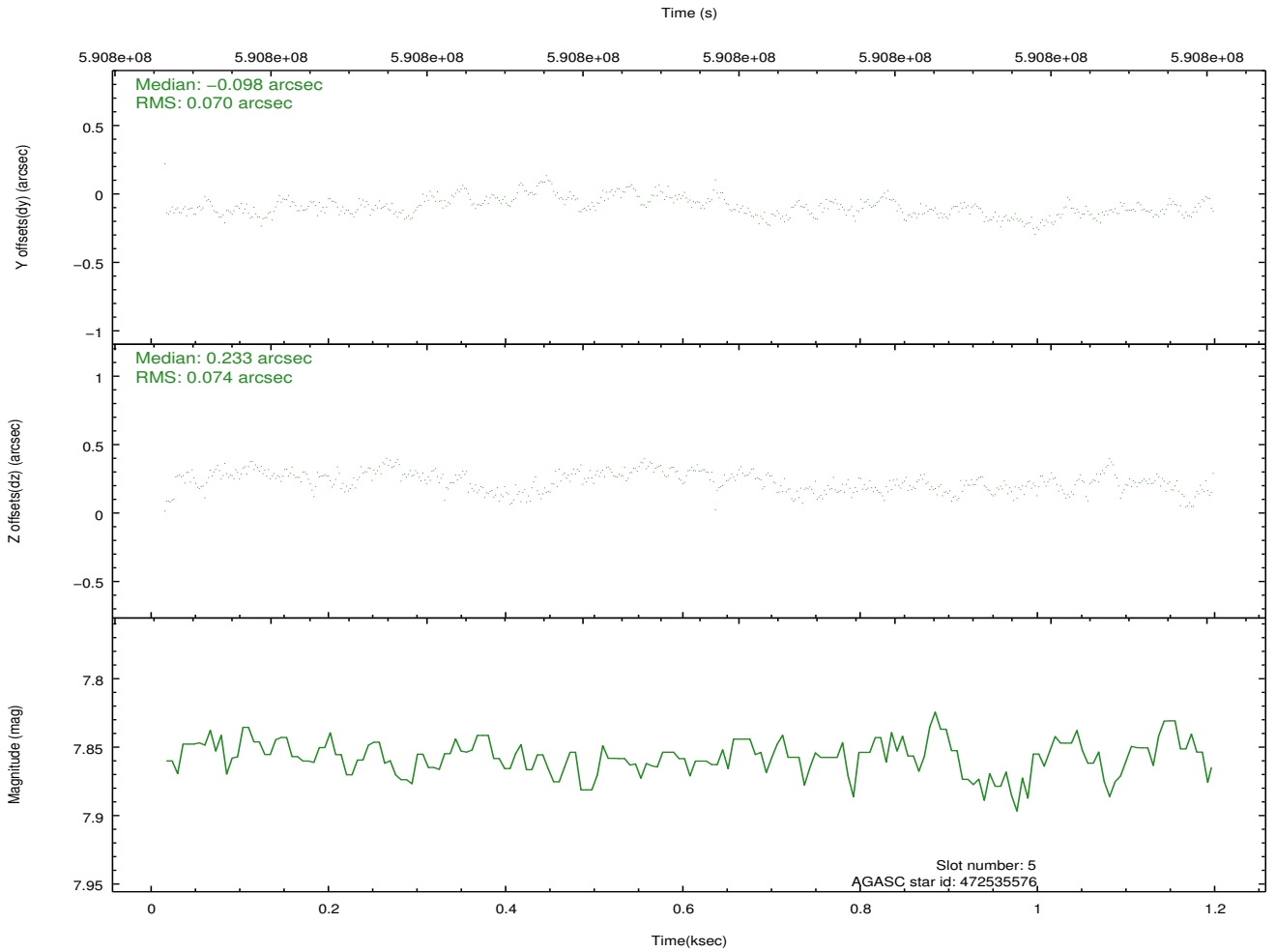
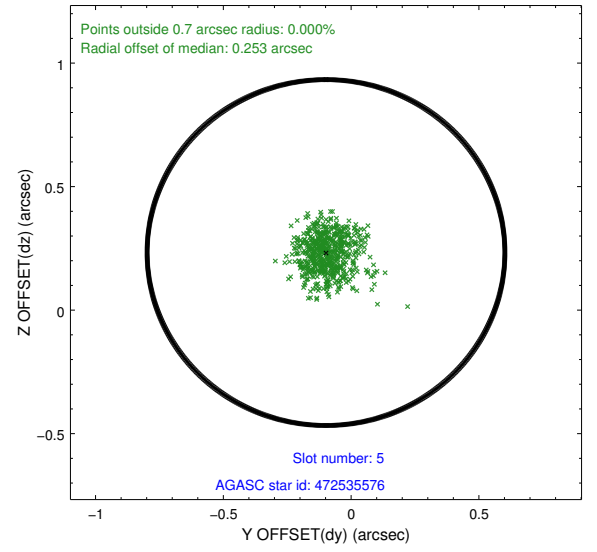
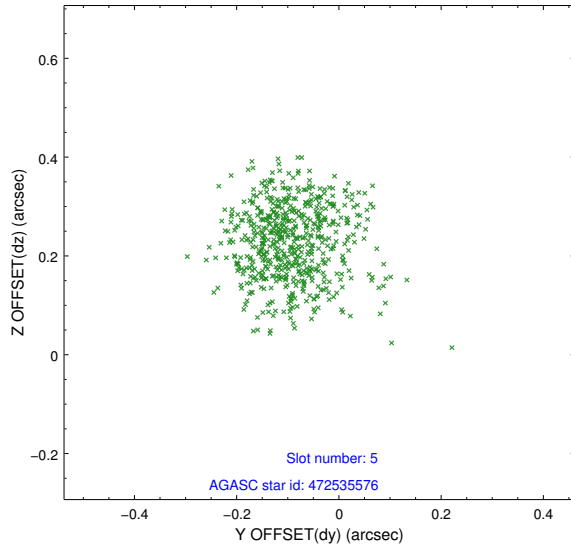
2.4.1 Slot 3



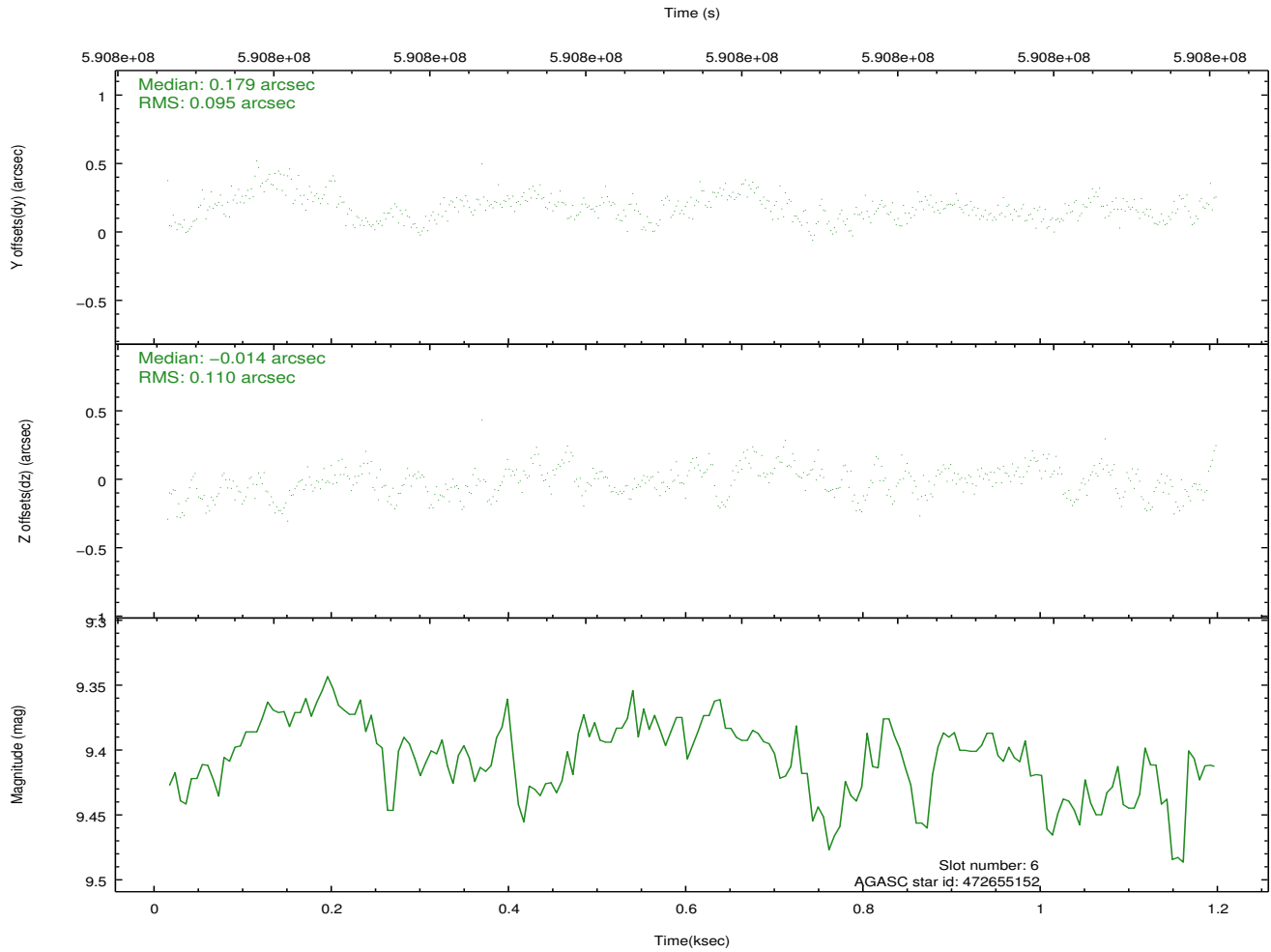
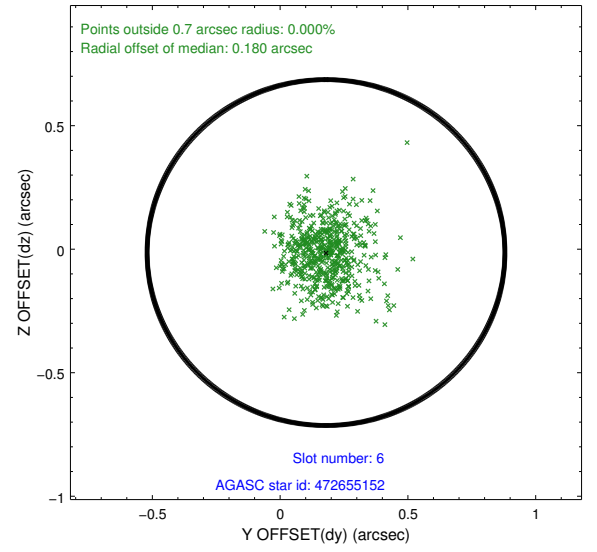
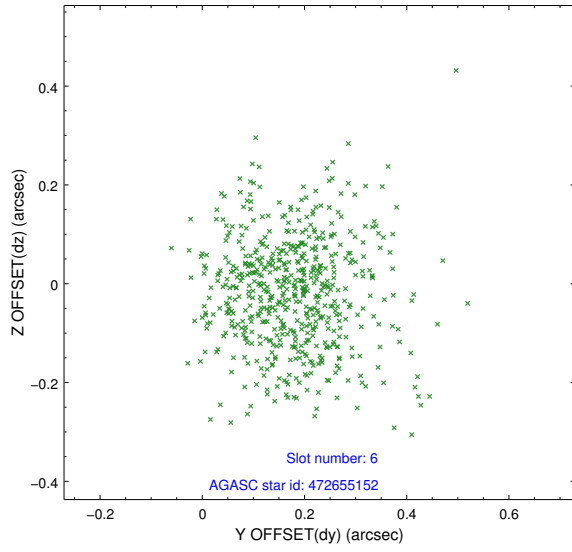
2.4.2 Slot 4



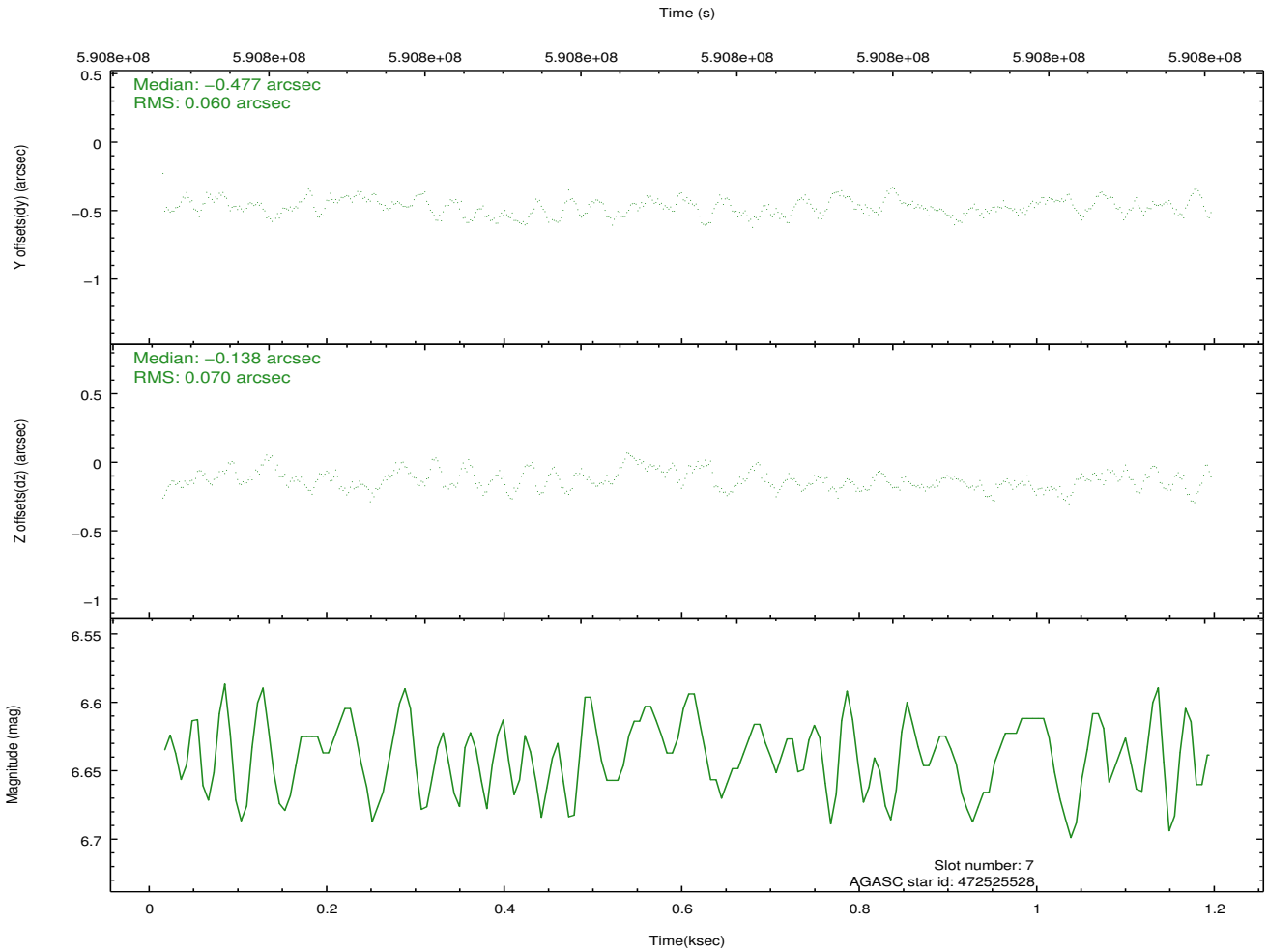
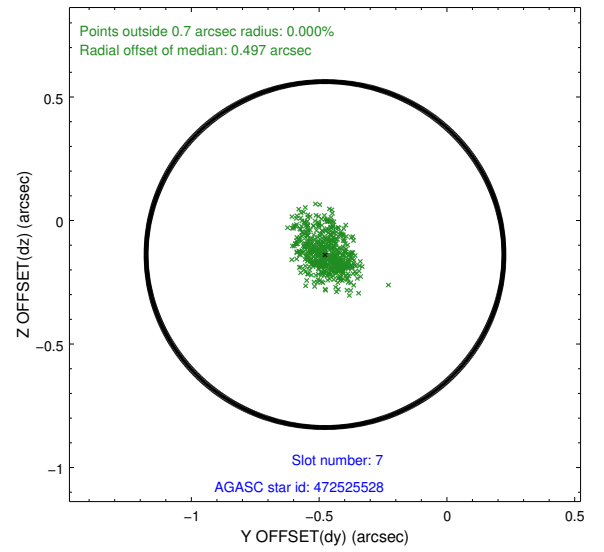
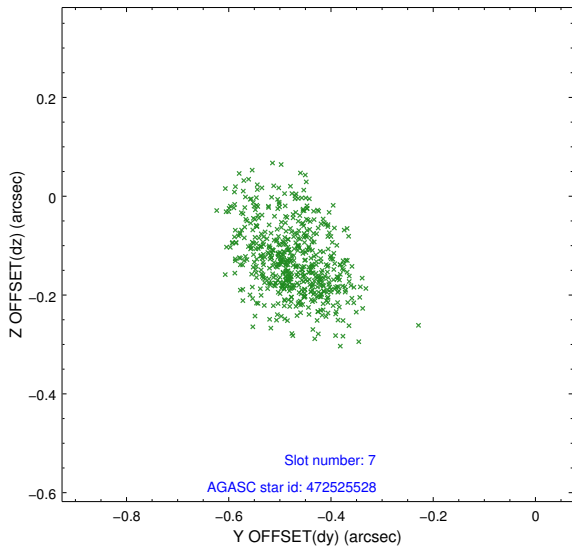
2.4.3 Slot 5



2.4.4 Slot 6

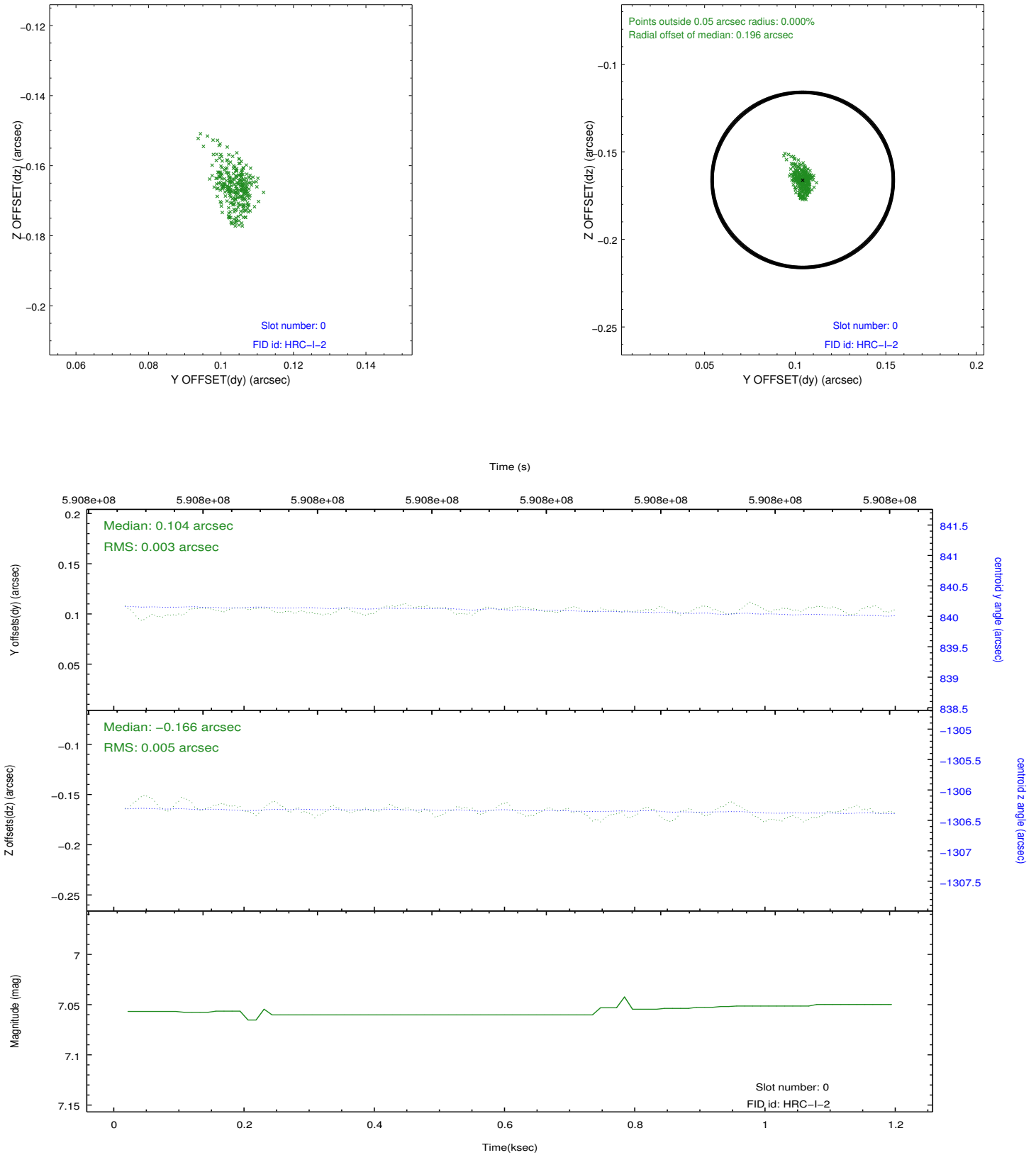


2.4.5 Slot 7

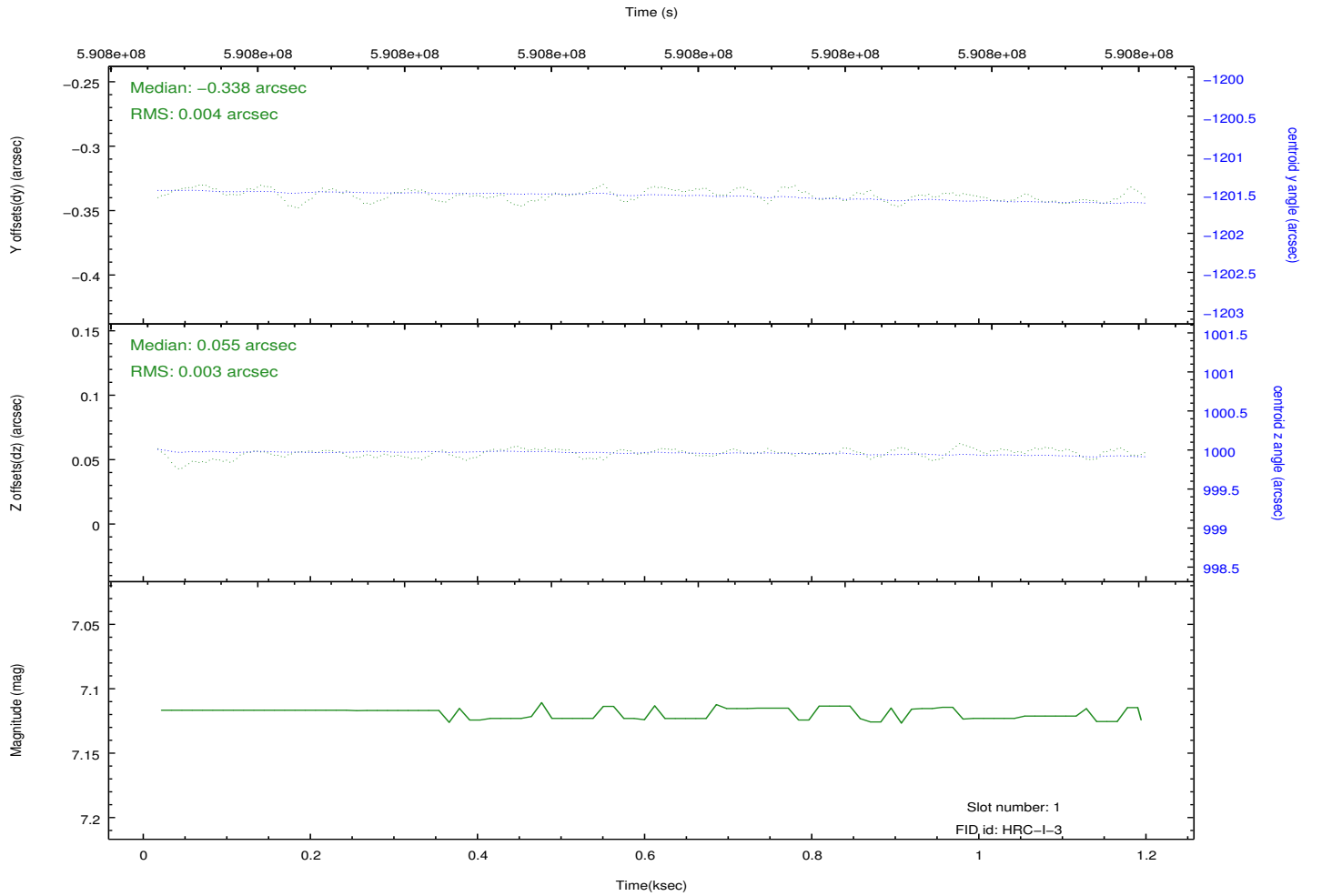
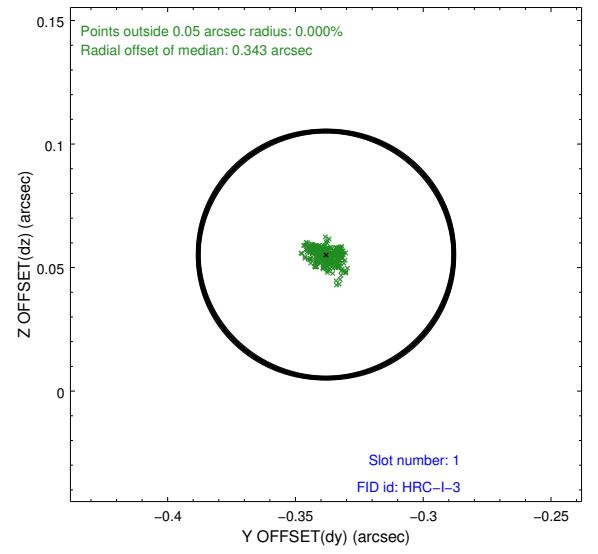
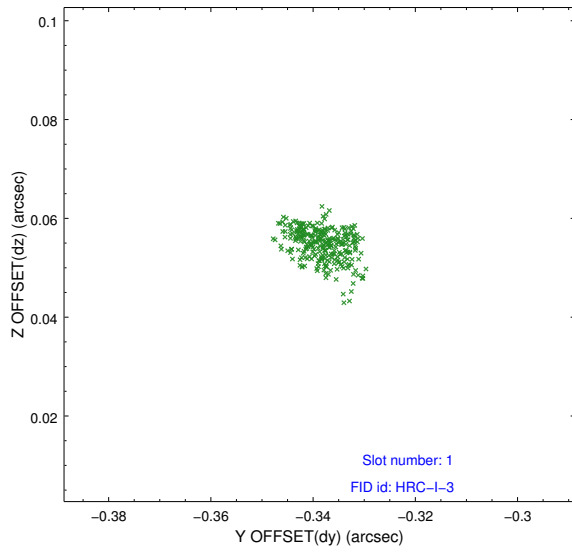


2.5 FID Slots

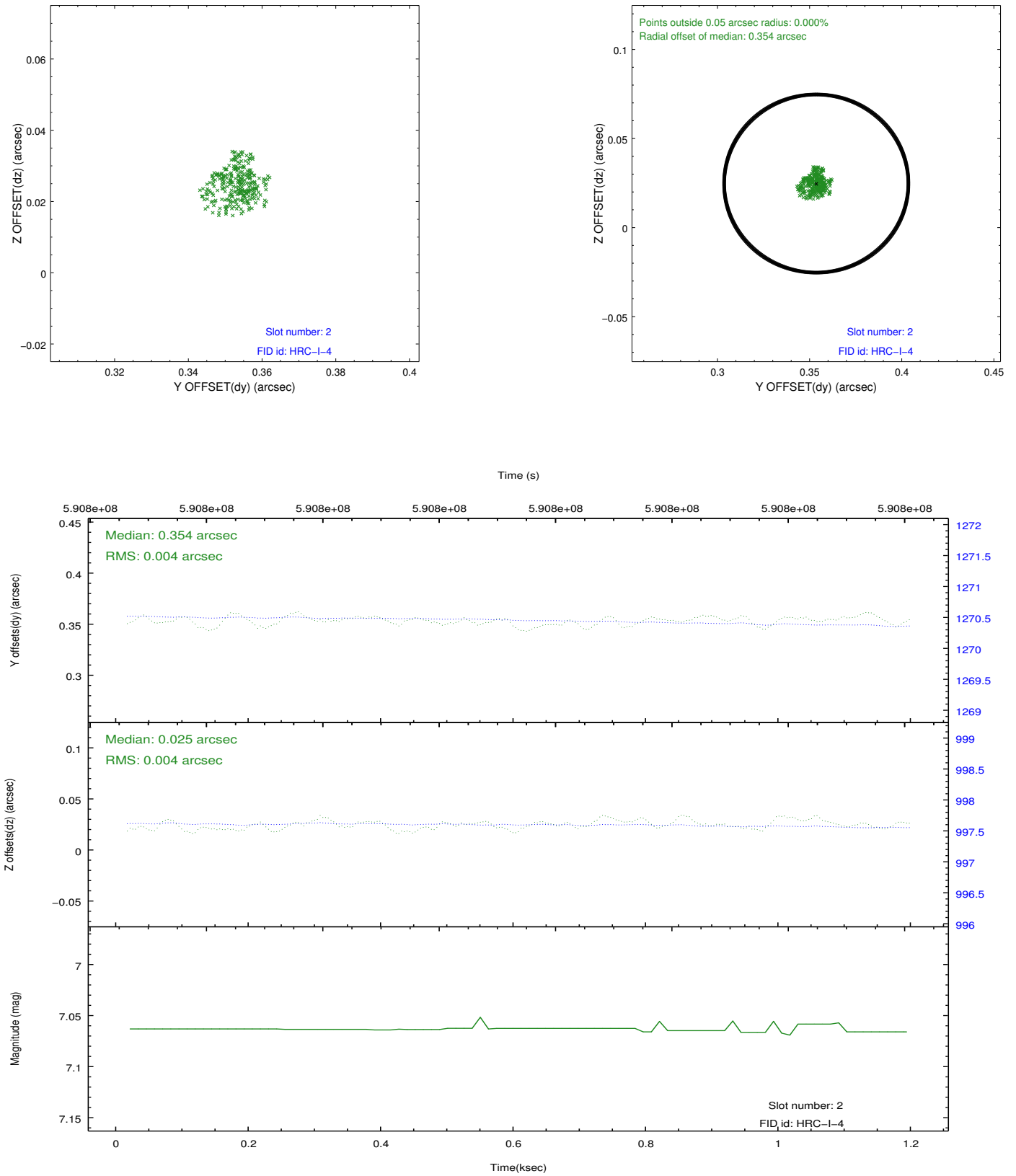
2.5.1 Slot 0



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)	2016.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.18208131814

A.2 Comments