

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 17362 - L2 Version 1
Chandra X-Ray Center

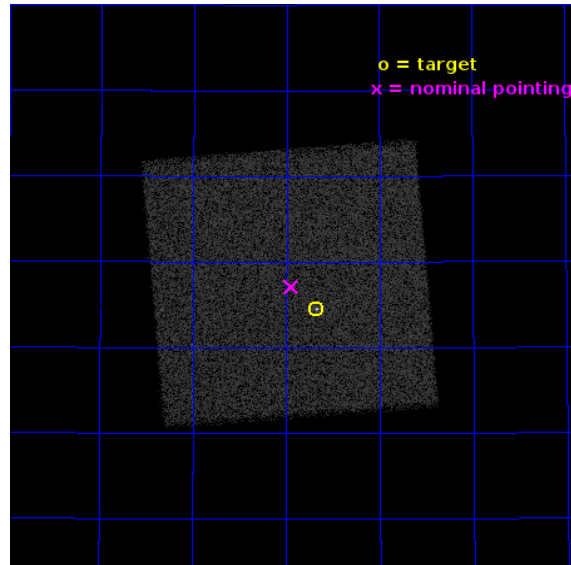
L2 Processing Date : Sep 27 2015

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1 Front

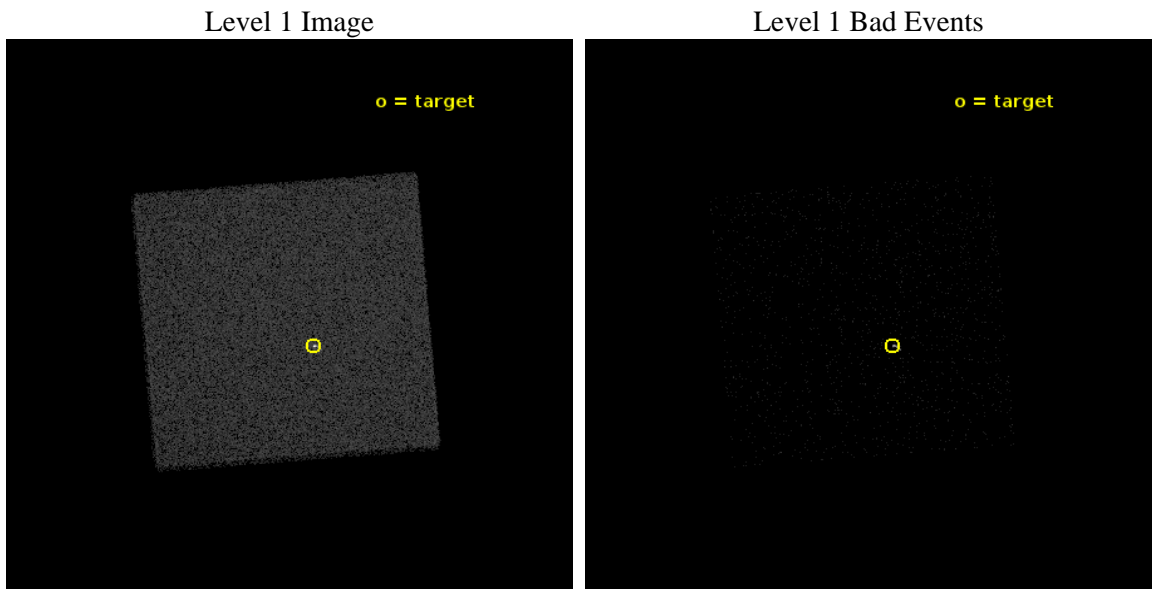
seq_num	291235	Sequence number
obs_id	17362	Observation id
title	AO-16 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.23653931744	Nominal RA [deg]
dec_nom	45.78511053657	Nominal Dec [deg]
roll_nom	220.28364464327	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1182.0813168287	[s]
livetime	1171.4315039106	Ontime multiplied by DTCOR
l2events	87836	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	10.4.1	Processing system revision	ontime	1182.0813168287	[s]
caldbver	4.6.8	 	l1events	148400	Number of level 1 events
date	2015-09-27T05:24:21	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

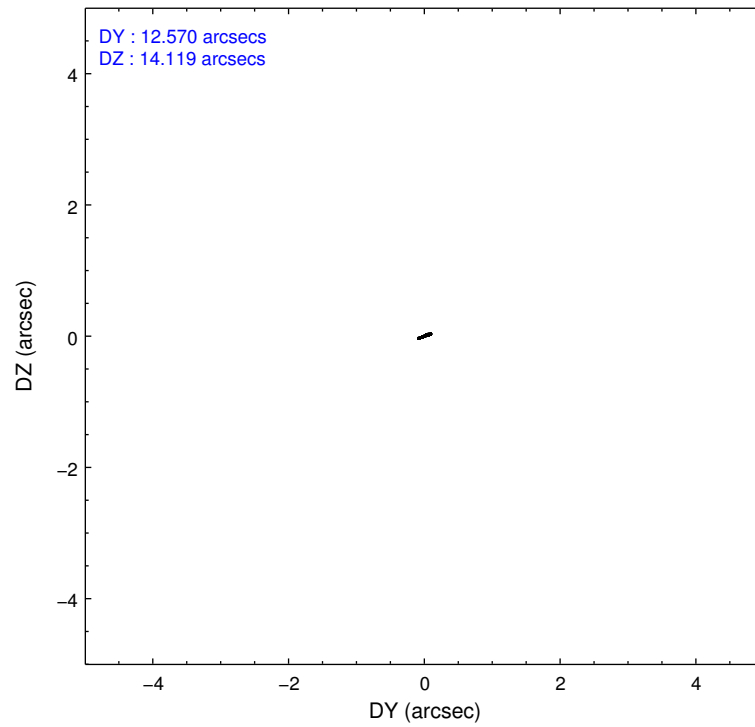
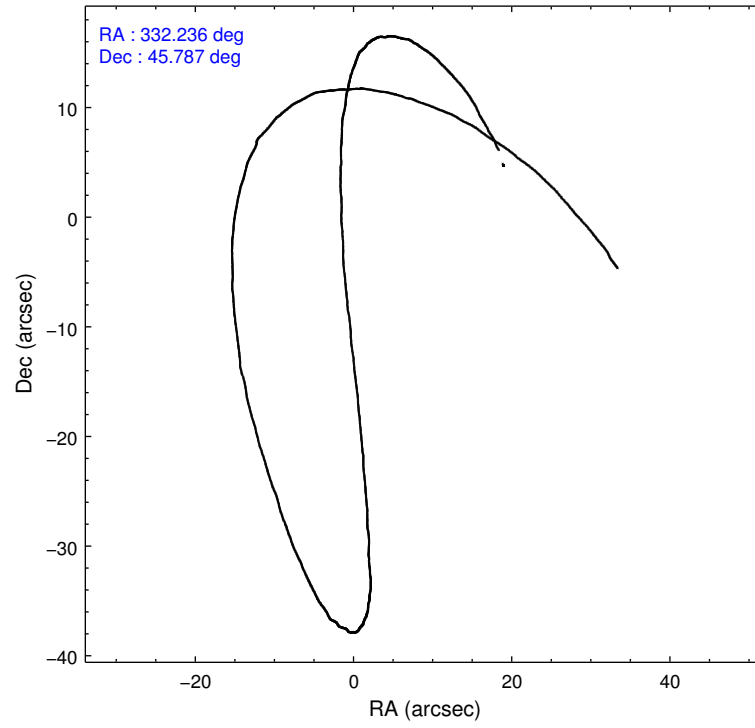
Level 1 Events

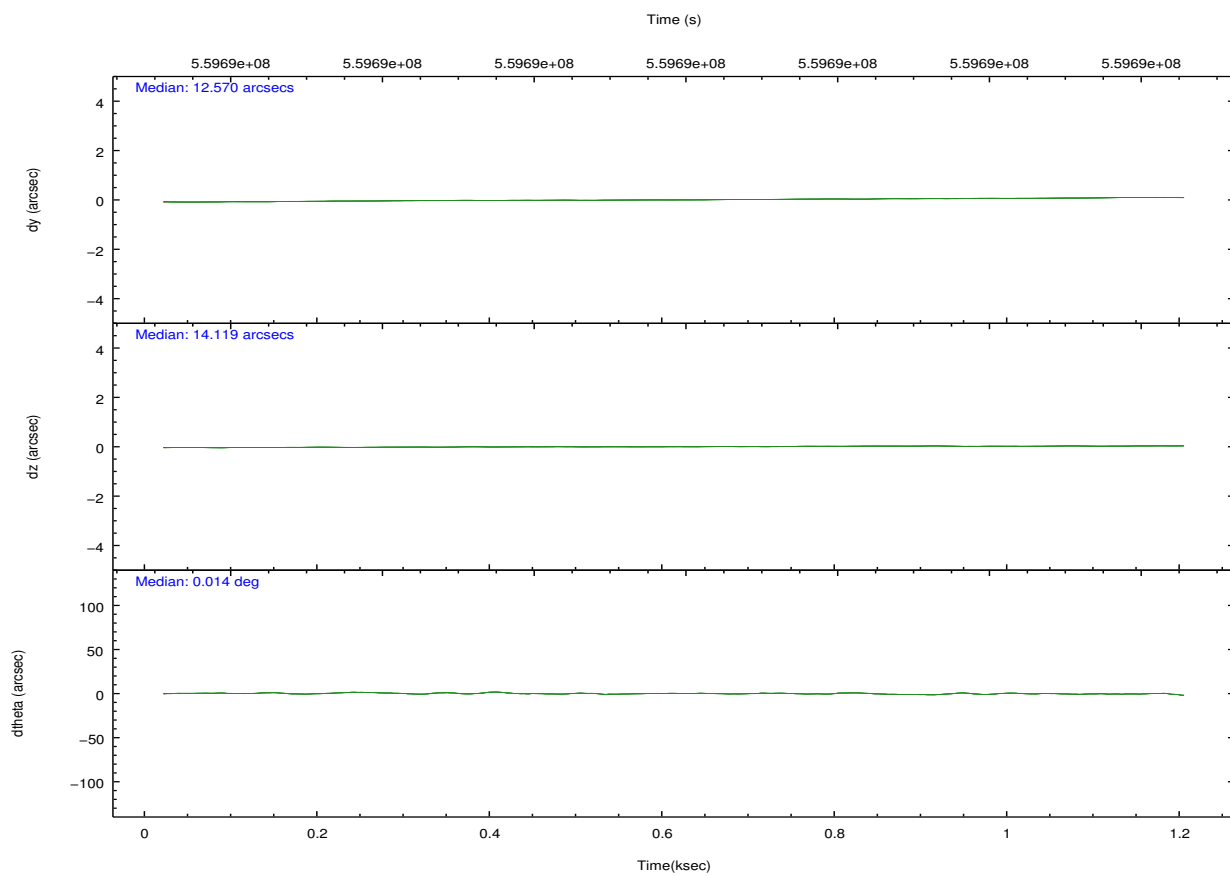
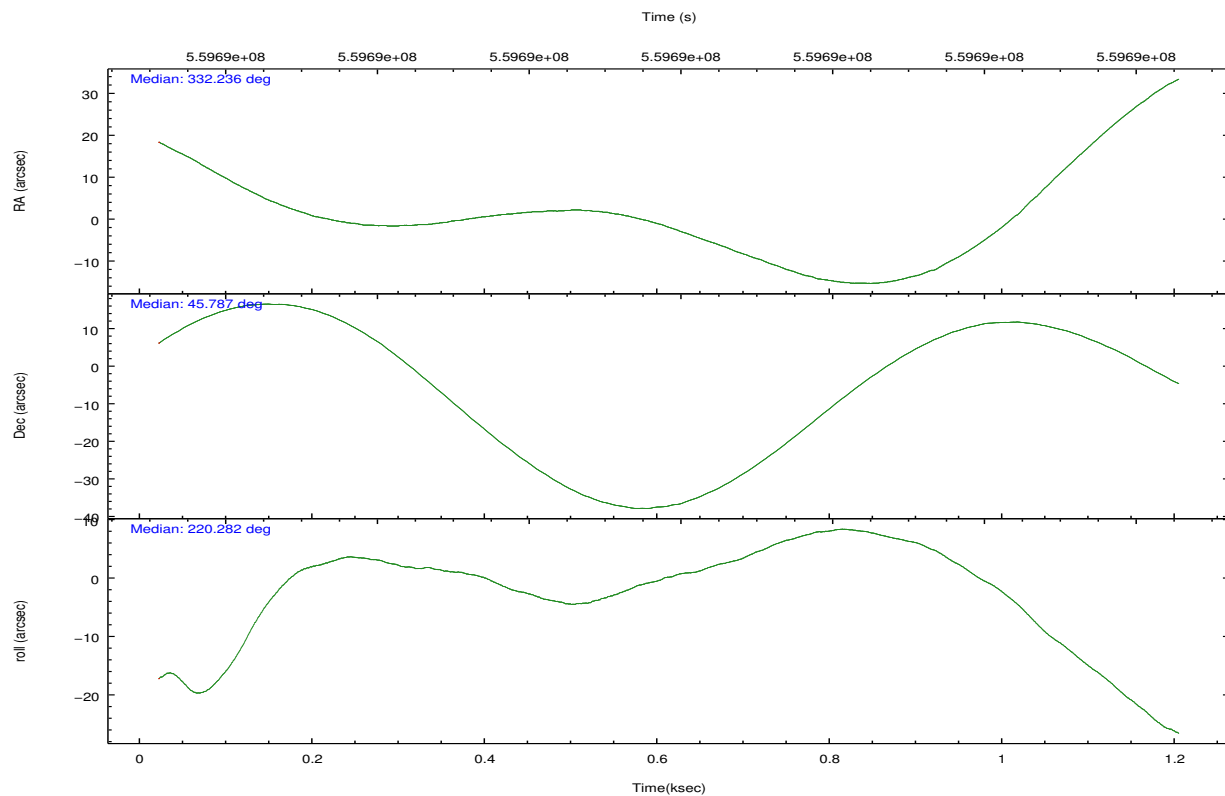
	segment 0
level 1 events	148400
rejected events	32261
rejected %	21%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	332.249343	332.2365393174385			
[deg] Pointing Dec	45.809968	45.78511053657049			
[deg] Pointing Roll	220.369945	220.2836446432668			
[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)	559685582.184000	559685206.34437			
Observation start date	2015-09-26T20:11:54	2015-09-26T20:06:46			
[s] Observation end time (MET)	559686582.184000	559686716.16945			
Observation end date	2015-09-26T20:28:34	2015-09-26T20:31:56			

2.3 Aspect



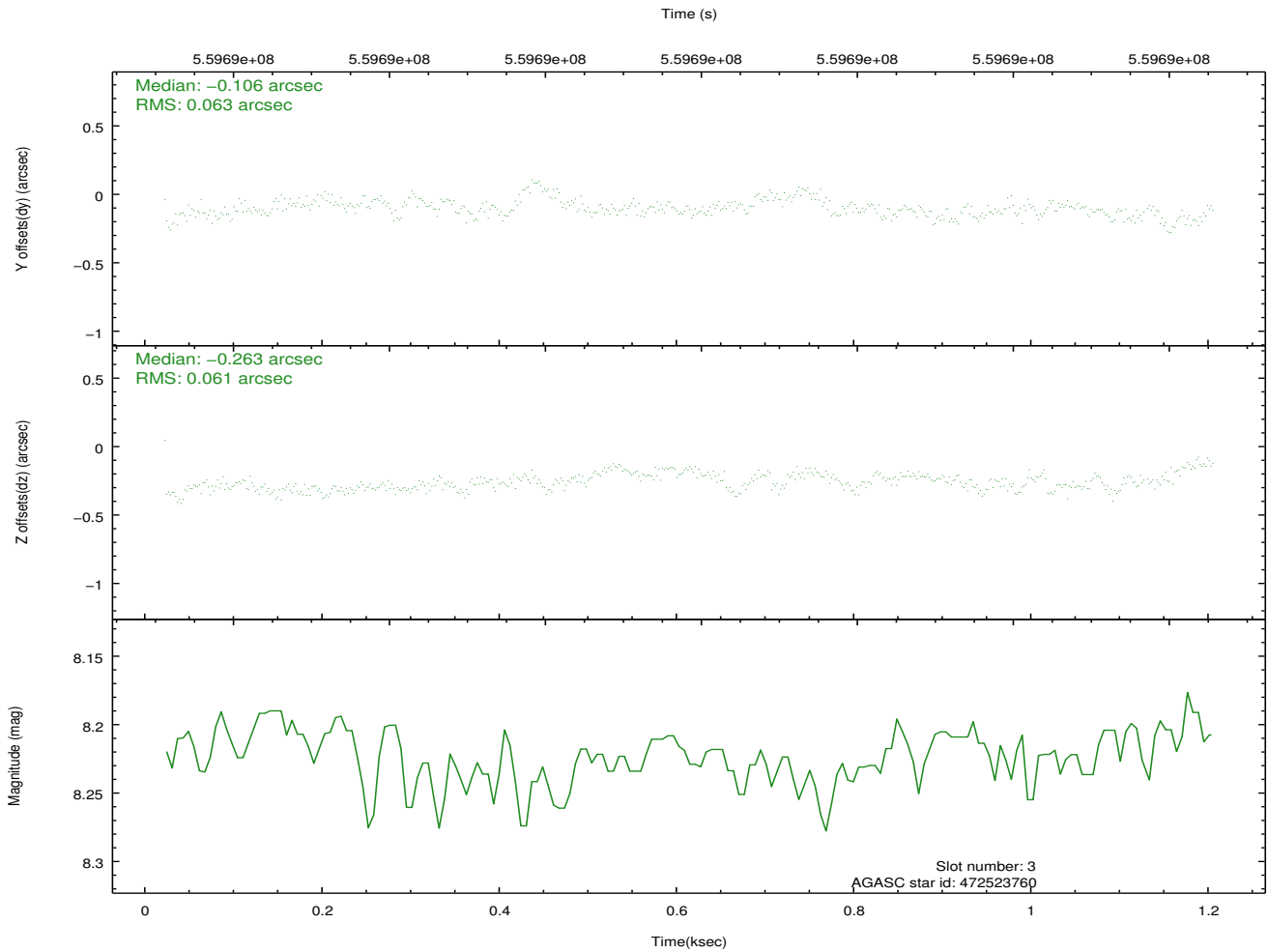
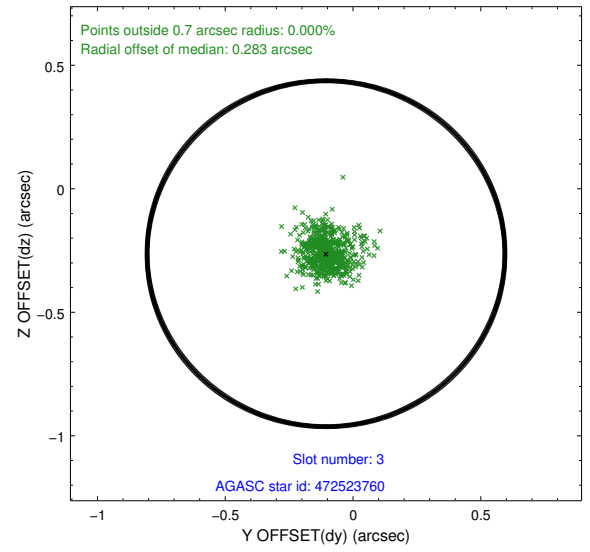
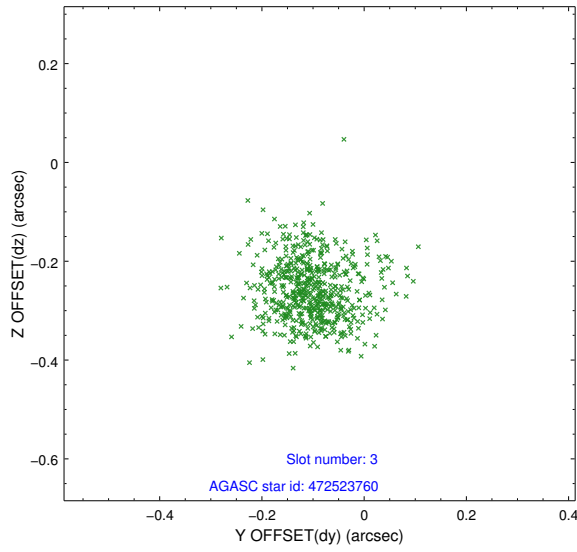


Slot Statistics

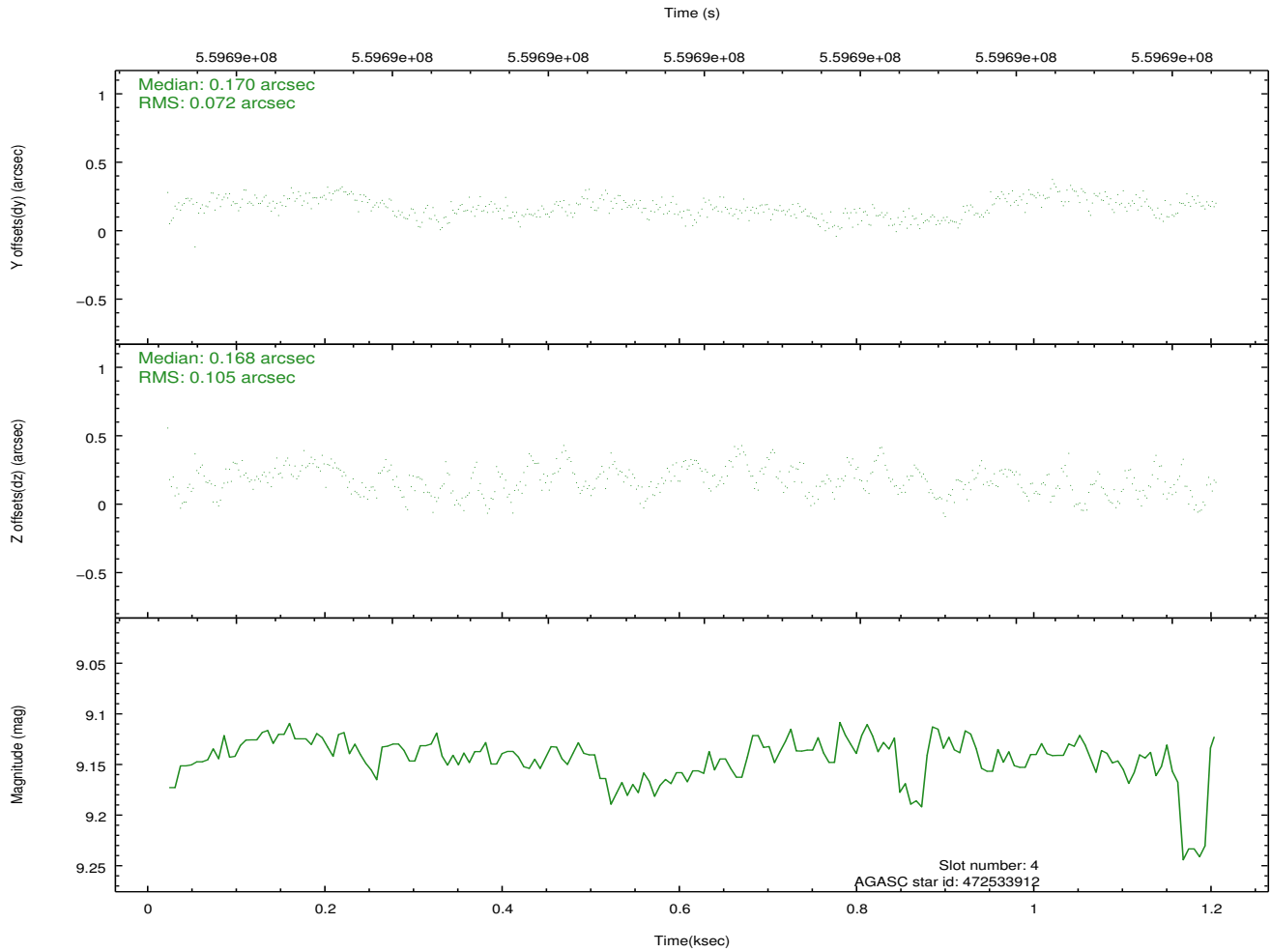
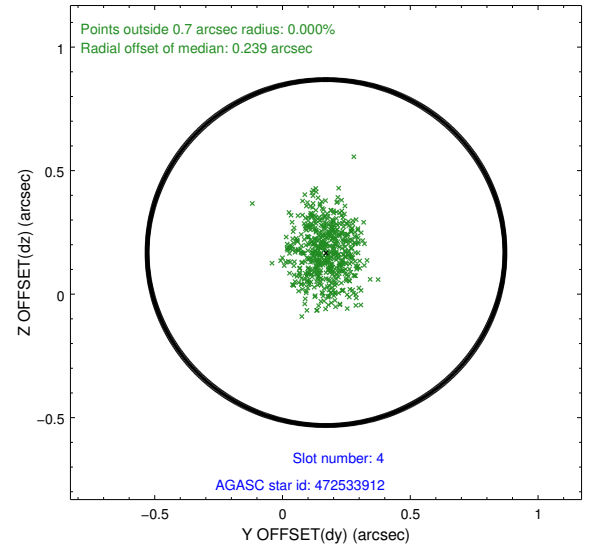
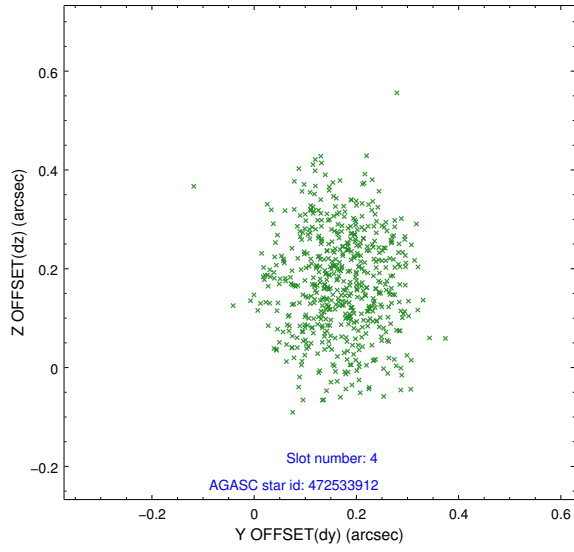
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	6.99	289	-0.263	-0.126	0.005	0.008	0.000000	0.000000	-768.70	-1302.22
1	FID		HRC-I-2	7.03	289	0.253	-0.066	0.005	0.010	0.000000	0.000000	841.78	-1308.39
2	FID		HRC-I-4	7.00	289	0.127	0.100	0.005	0.008	0.000000	0.000000	1277.61	995.45
3	GUIDE	used	472523760	8.22	577	-0.106	-0.263	0.092	0.158	331.645363	45.403260	2109.77	125.99
4	GUIDE	used	472533912	9.14	578	0.170	0.168	0.138	0.216	331.791136	46.368695	-431.89	-2267.93
5	GUIDE	used	472654568	9.39	578	-0.123	0.090	0.175	0.253	332.194449	45.063576	1847.86	1956.92
6	GUIDE	used	472655152	9.40	578	-0.032	-0.186	0.122	0.214	332.504239	45.862991	-605.98	274.97
7	GUIDE	used	472665256	9.00	577	0.085	0.165	0.095	0.161	332.808125	46.195041	-1960.94	-153.47

2.4 Star Slots

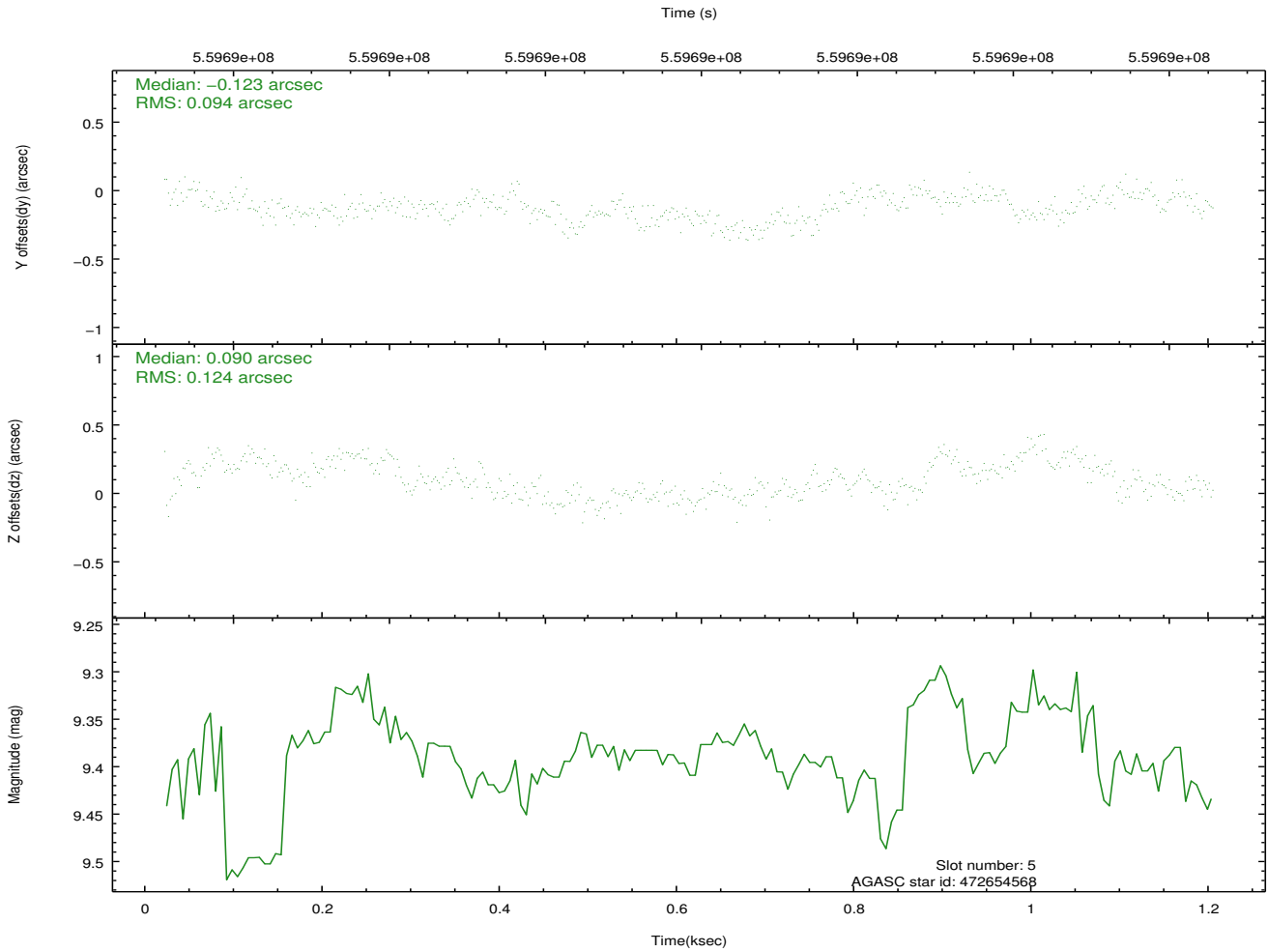
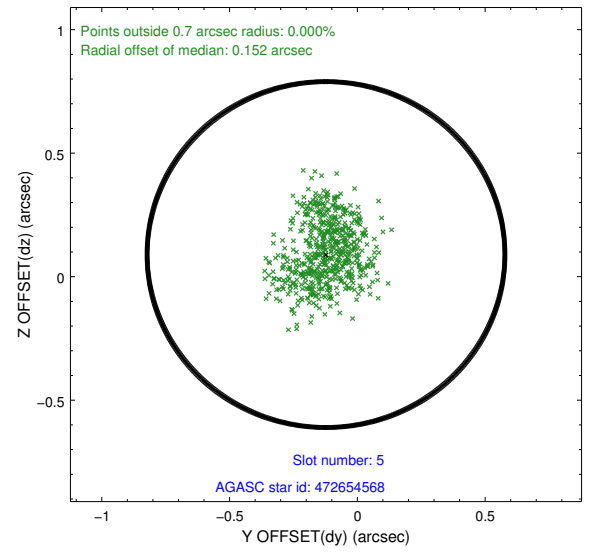
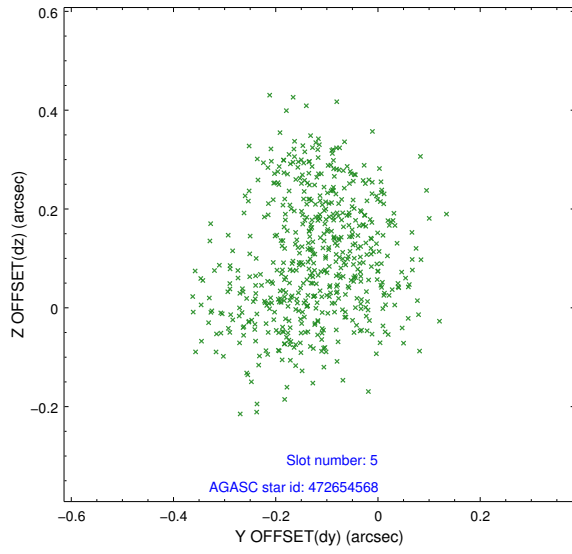
2.4.1 Slot 3



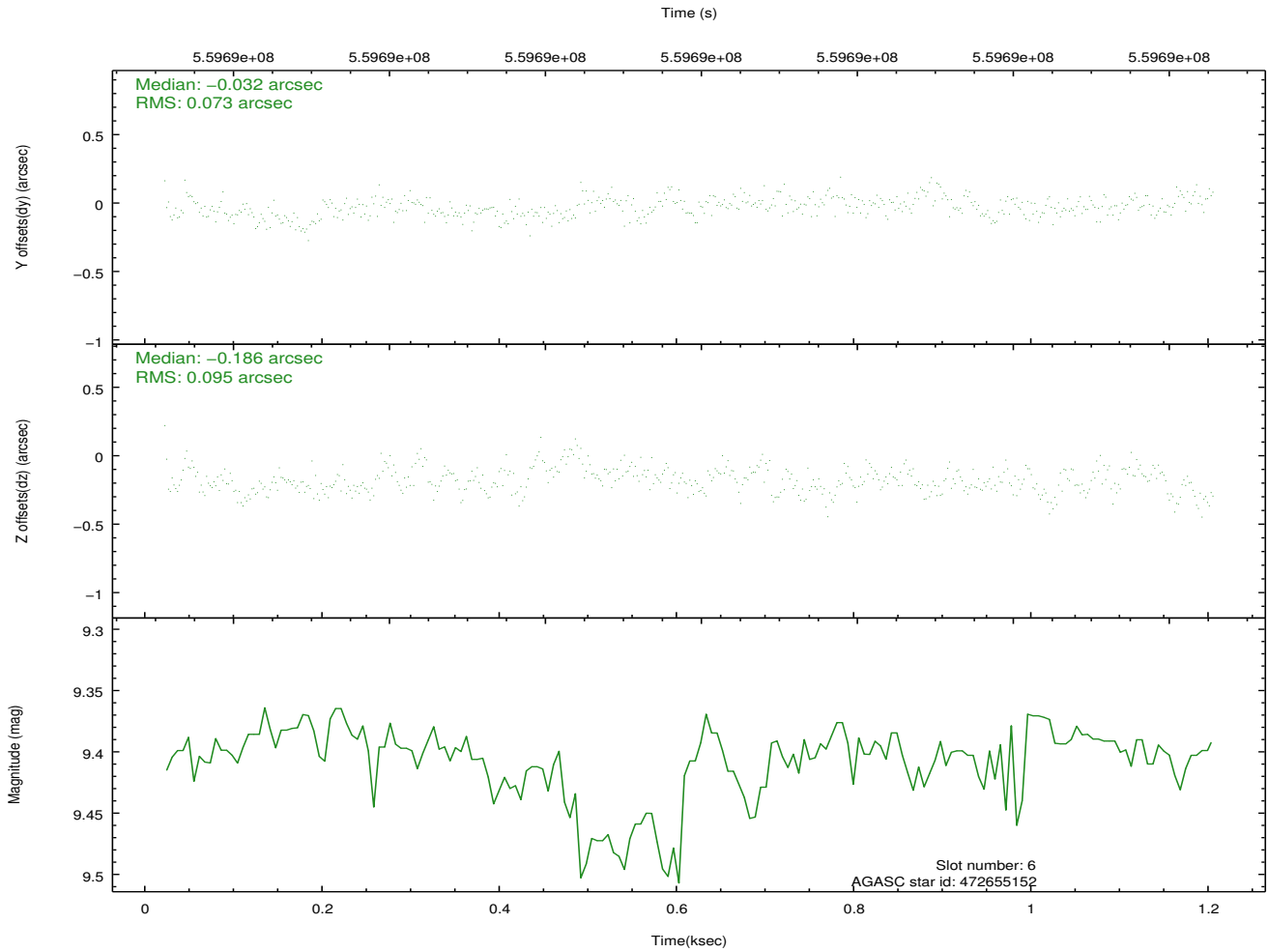
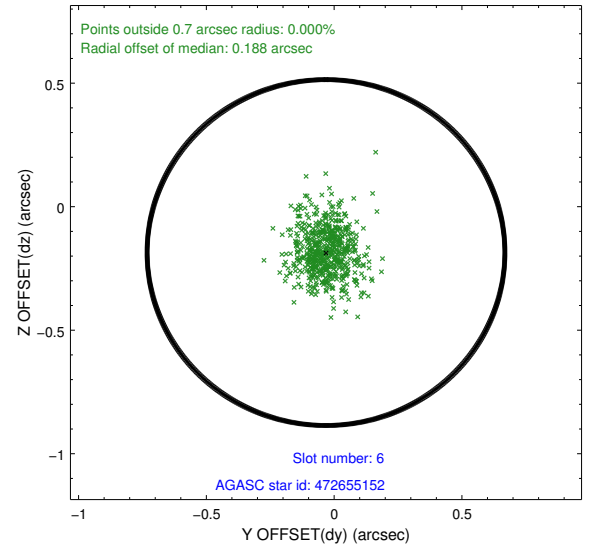
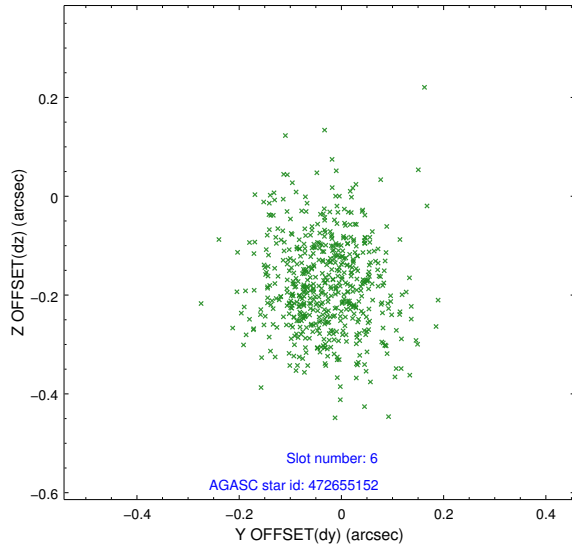
2.4.2 Slot 4



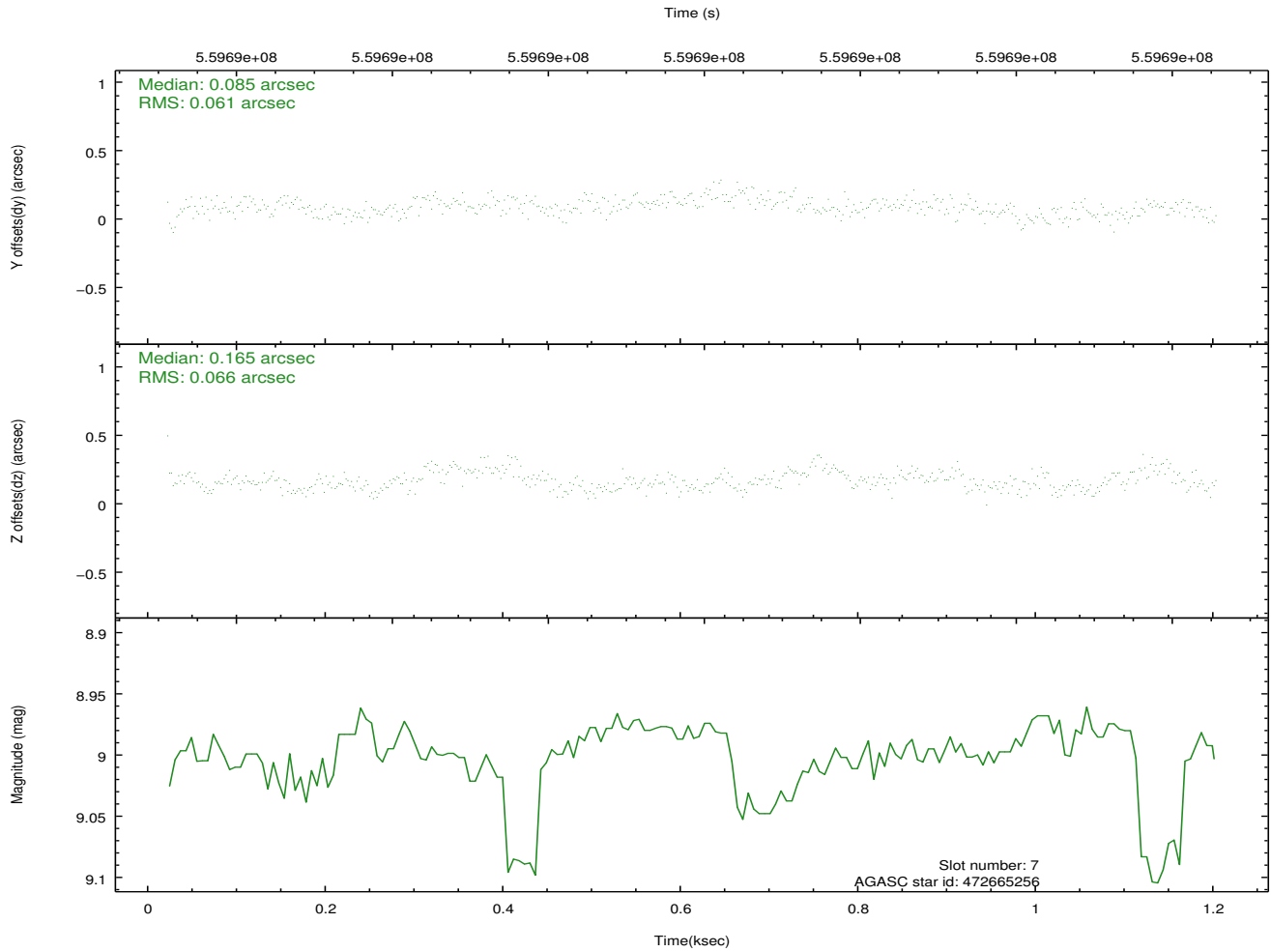
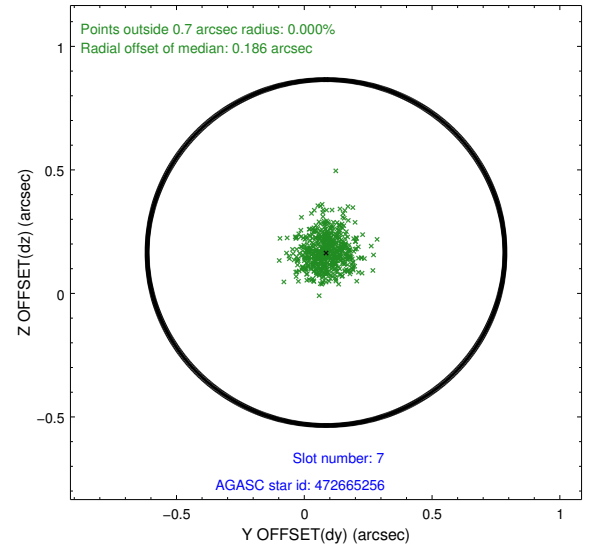
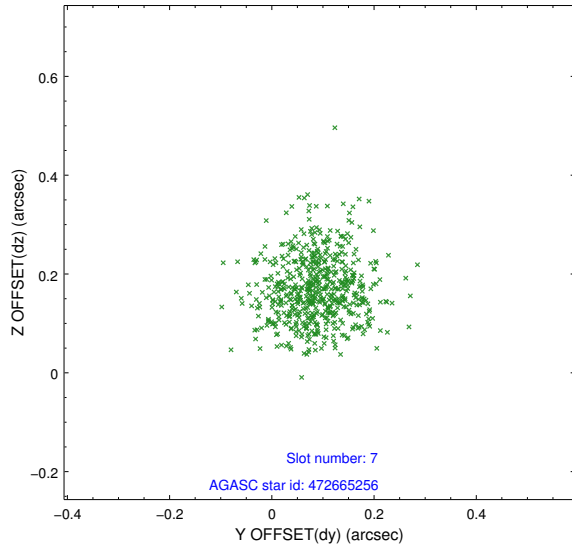
2.4.3 Slot 5



2.4.4 Slot 6

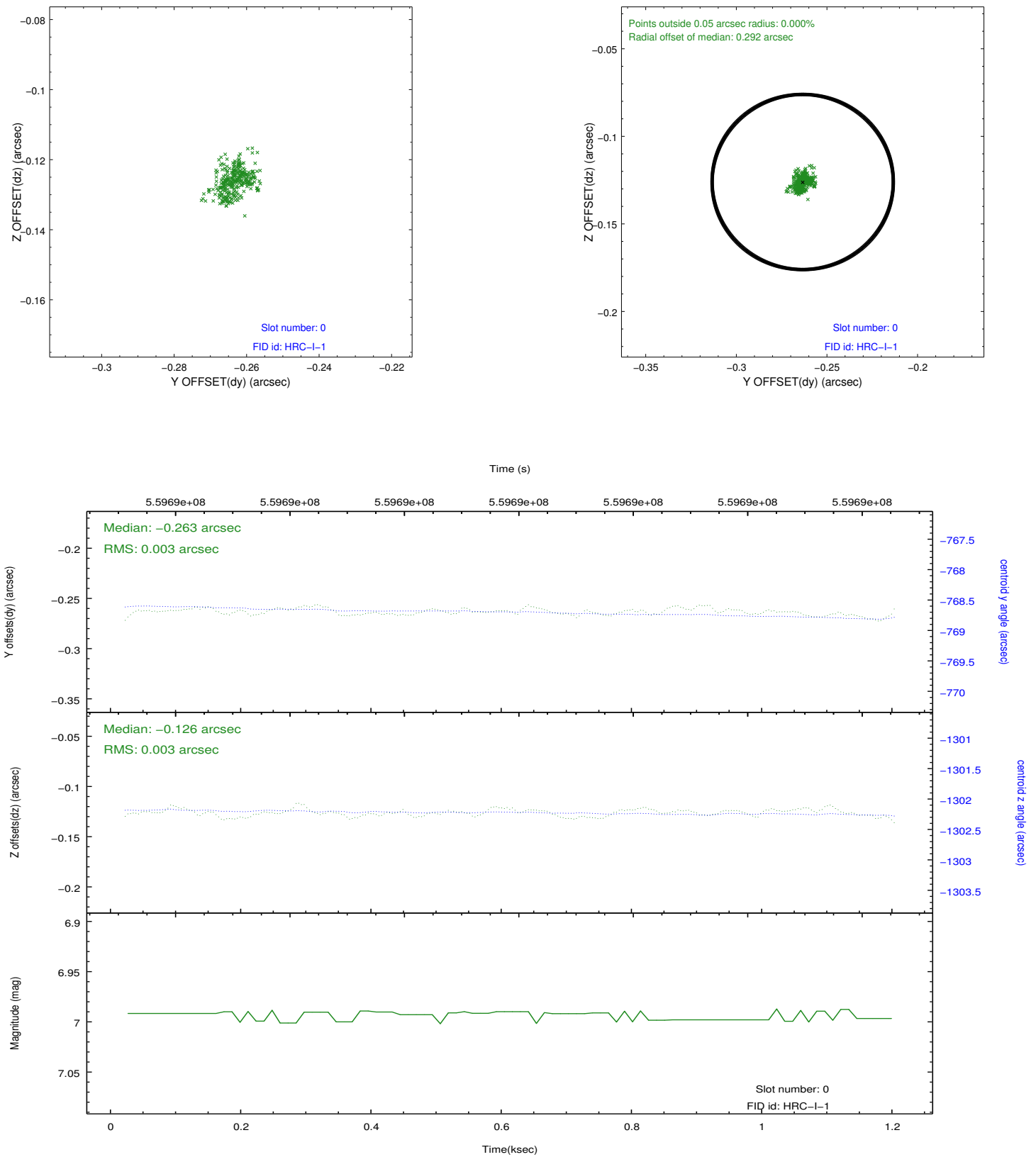


2.4.5 Slot 7

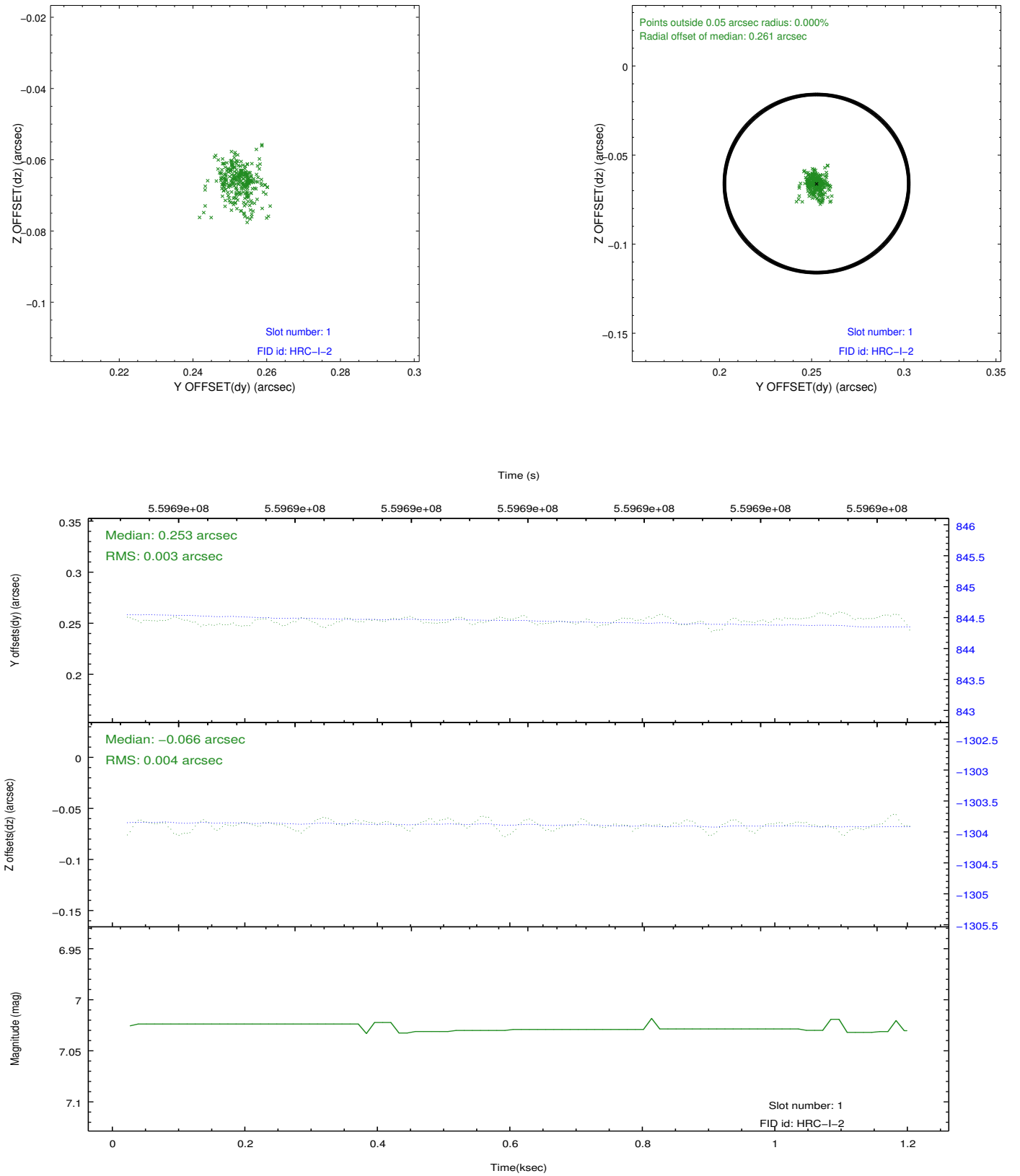


2.5 FID Slots

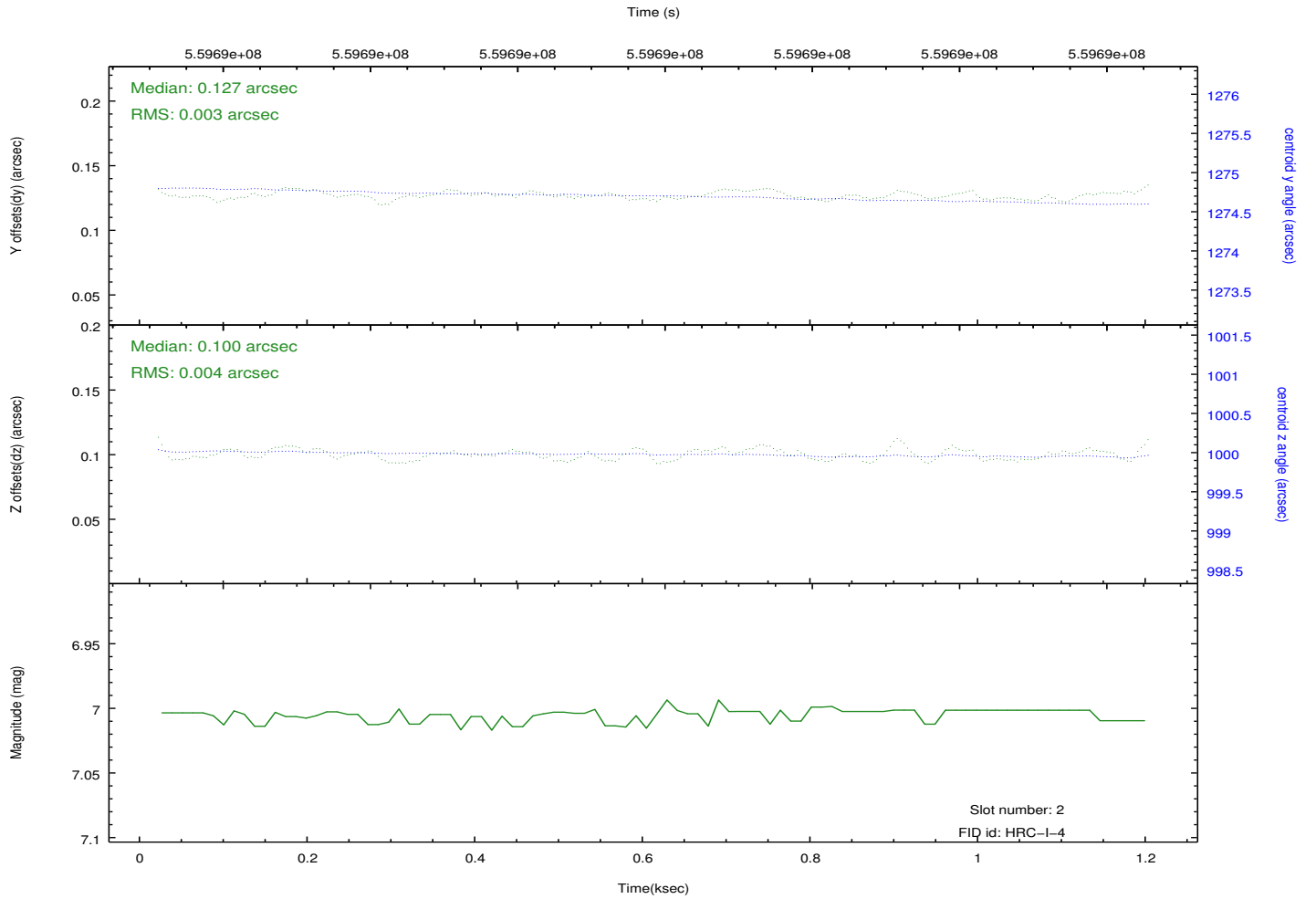
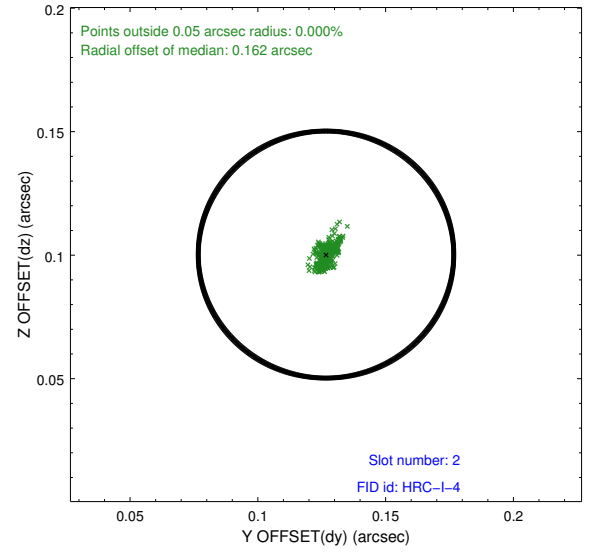
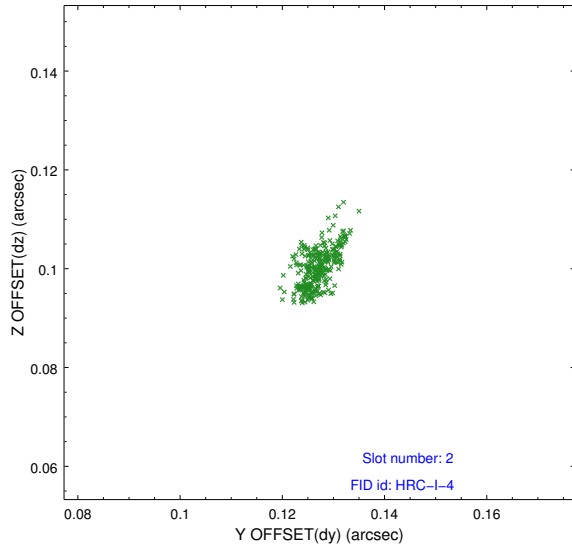
2.5.1 Slot 0



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)	2015.09.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1820813168287

A.2 Comments