

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 1367 - L2 Version 4

Chandra X-Ray Center

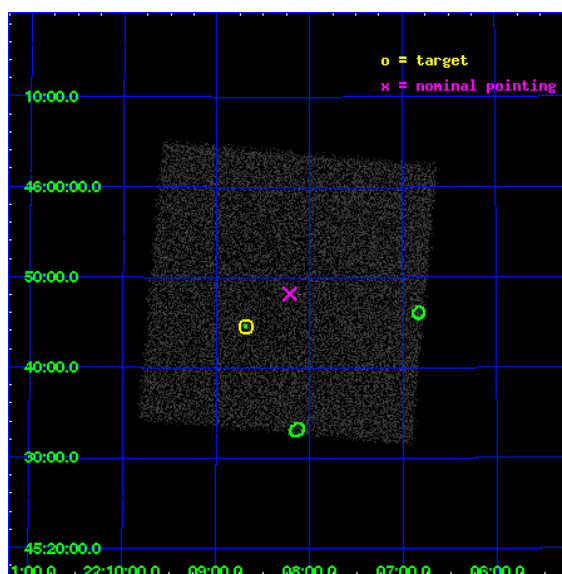
L2 Processing Date : Nov 19 2009

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
3	Point Sources	17
A	Summary	18
A.1	Status	18
A.2	Comments	18

1 Front

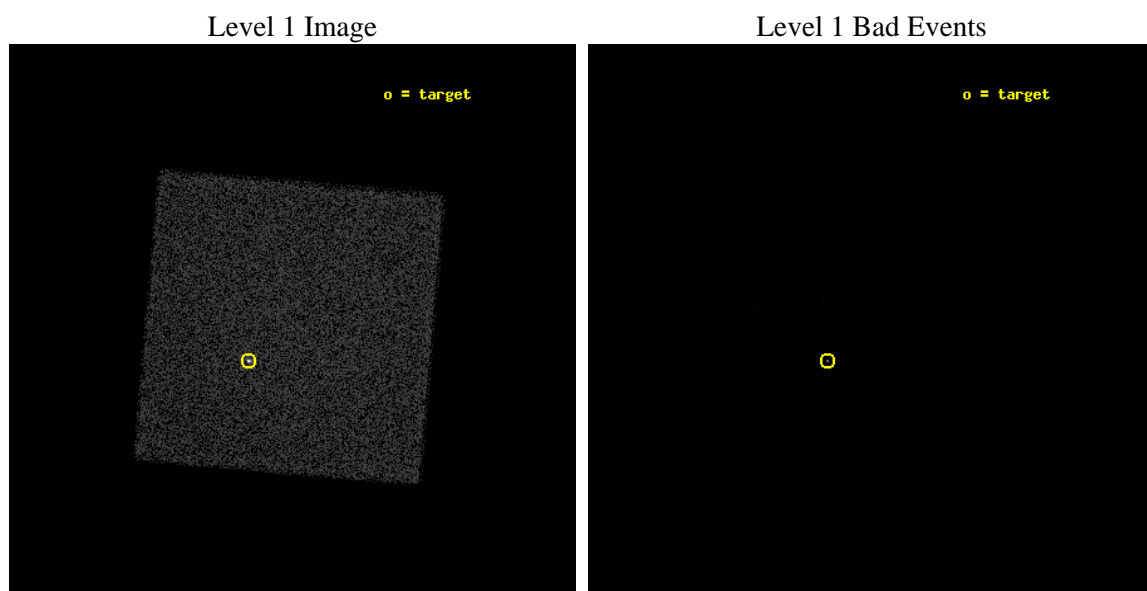
seq_num	280317	Sequence number
obs_id	1367	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.1701	Observer's specified target RA
dec_targ	45.7423	Observer's specified target Dec
ra_nom	332.052925655	Nominal RA
dec_nom	45.803551957884	Nominal Dec
roll_nom	230.02537650167	Nominal Roll
revision	4	Processing version of data
ontime	1274.3312959075	[s]
livetime	1265.3594741621	Ontime multiplied by DTCOR
l2events	39306	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	Scheduled observation exposure time
ascdsver	8.1.1	Processing system revision	ontime	1274.3312959075	[s]
caldbver	4.1.4	 	l1events	68611	Number of level 1 events
date	2009-11-19T07:31:05	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

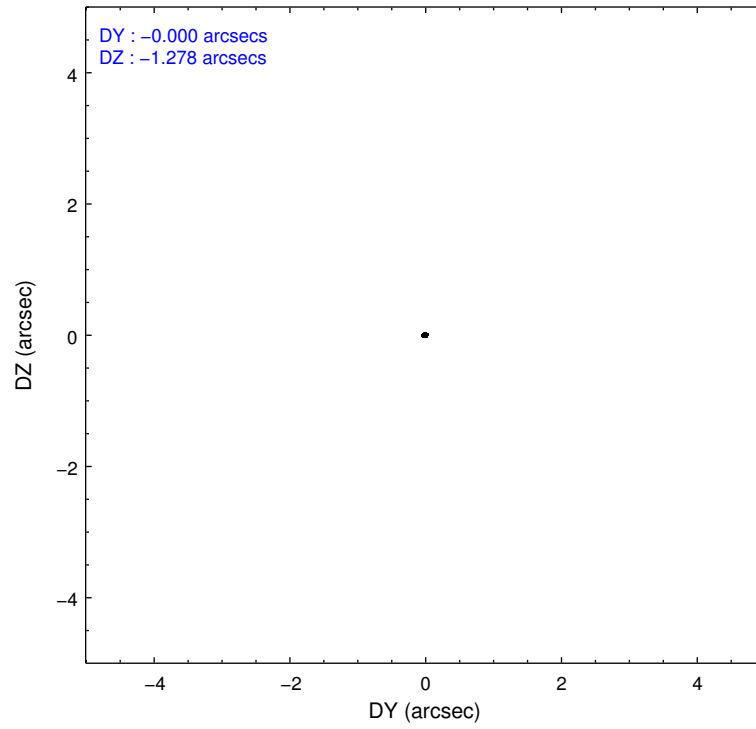
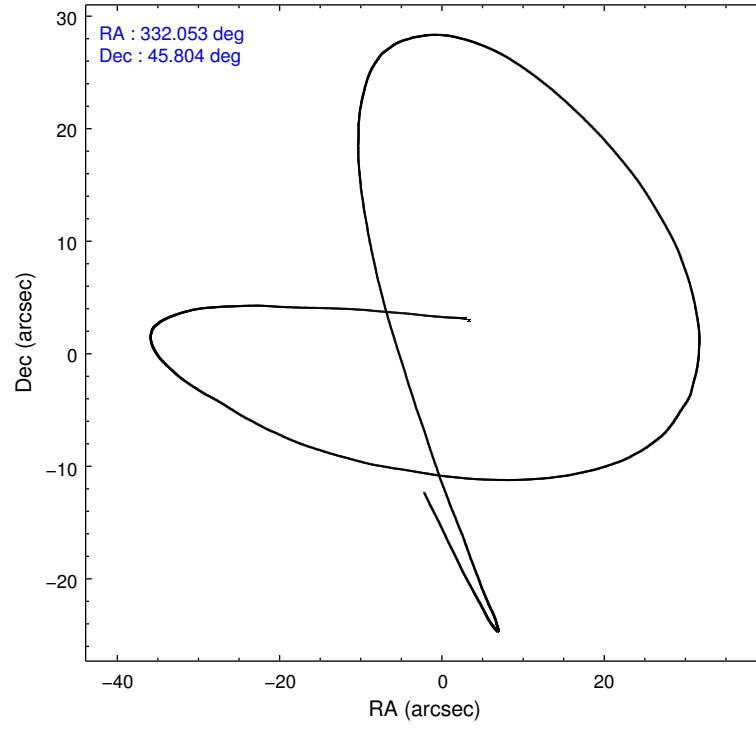
Level 1 Events

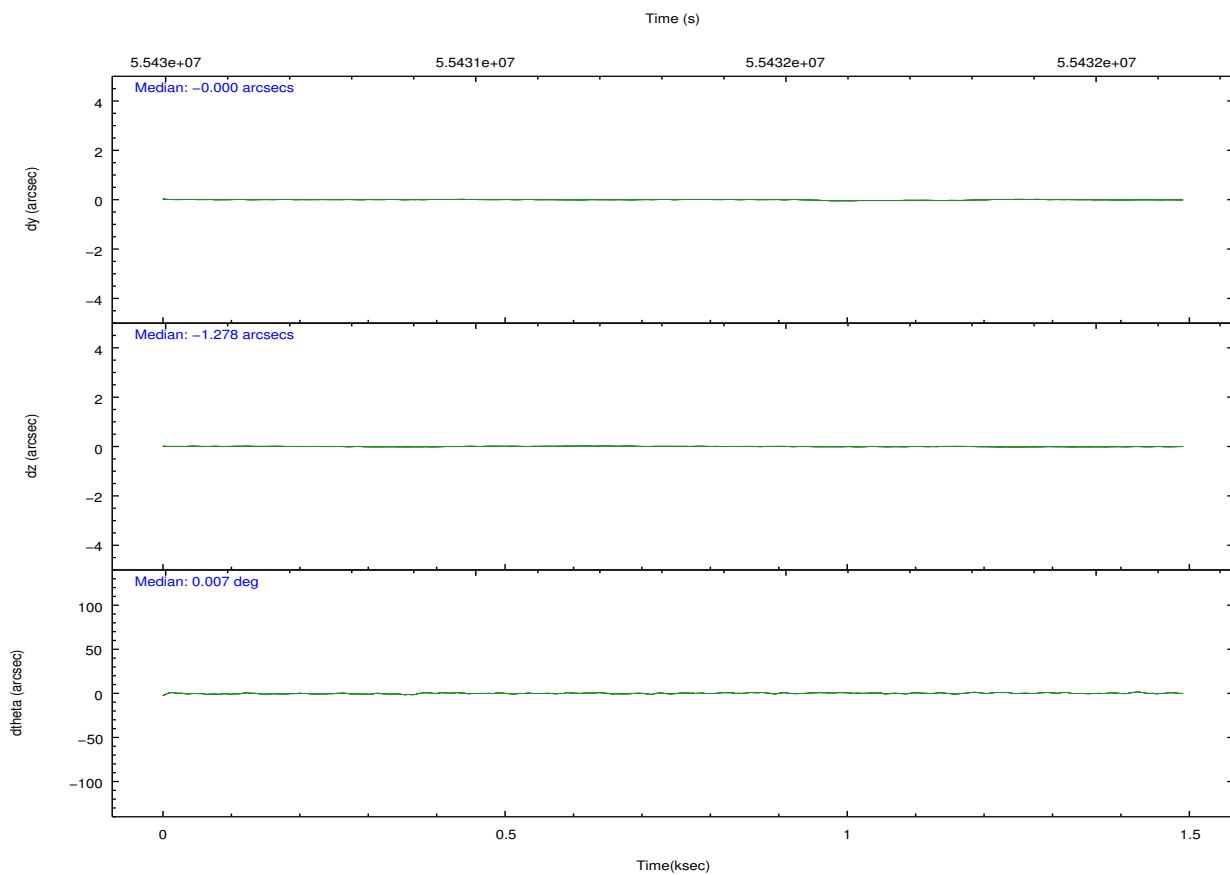
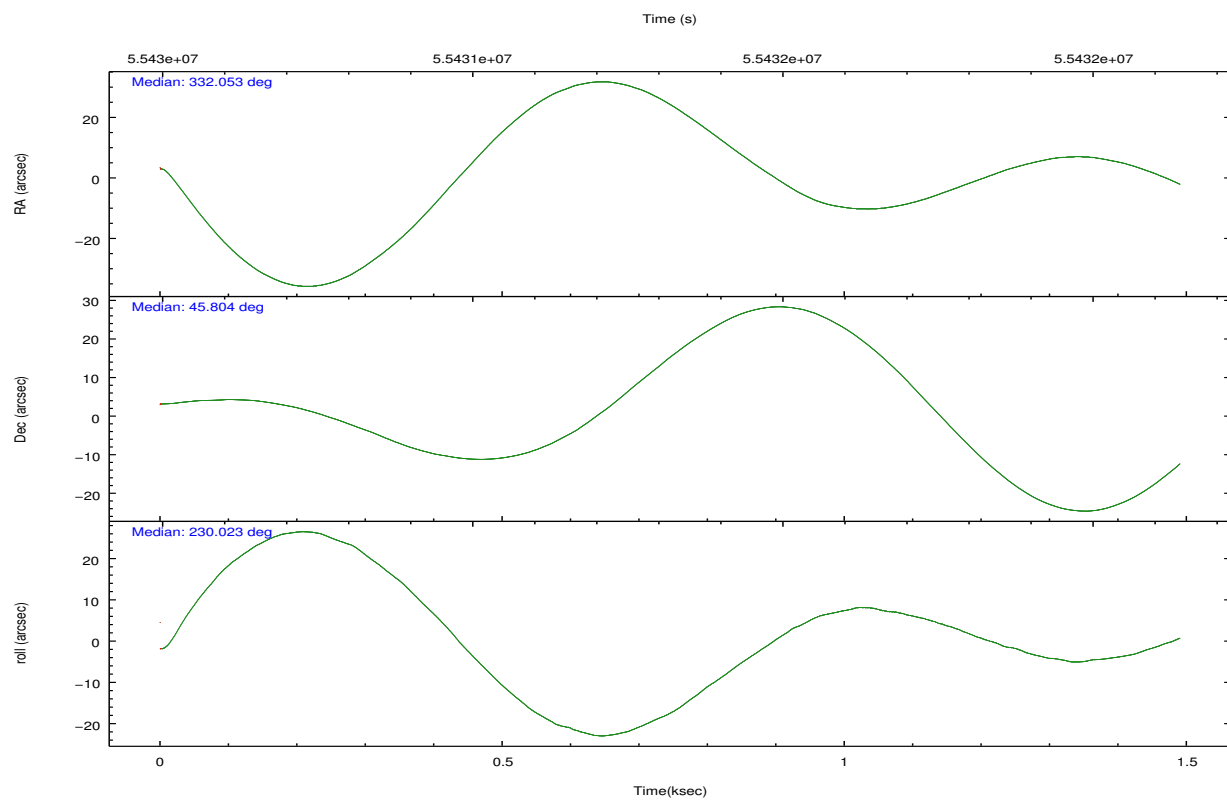
	segment 0
level 1 events	68611
rejected events	2653
rejected %	3%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
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			
Pointing RA	332.060680	332.0529256550006			
Pointing Dec	45.831357	45.80355195788376			
Pointing Roll	230.115273	230.0253765016667			
SIM focus pos (mm)	-0.040293	-0.2342646132009995			
SIM defocus (mm)	1	0.806028007457875			
SIM translation stage pos (mm)	126.985494	126.9854943052878			
SIM translation stage offset (mm)	0	-5.413686238853188e-06			
Observation start time	55431064.184000	55430397.646827			
Observation start date	1999-10-04T13:30:00	1999-10-04T13:19:57			
Observation end time	55432064.184000	55432197.546892			
Observation end date	1999-10-04T13:46:40	1999-10-04T13:49:57			

2.3 Aspect



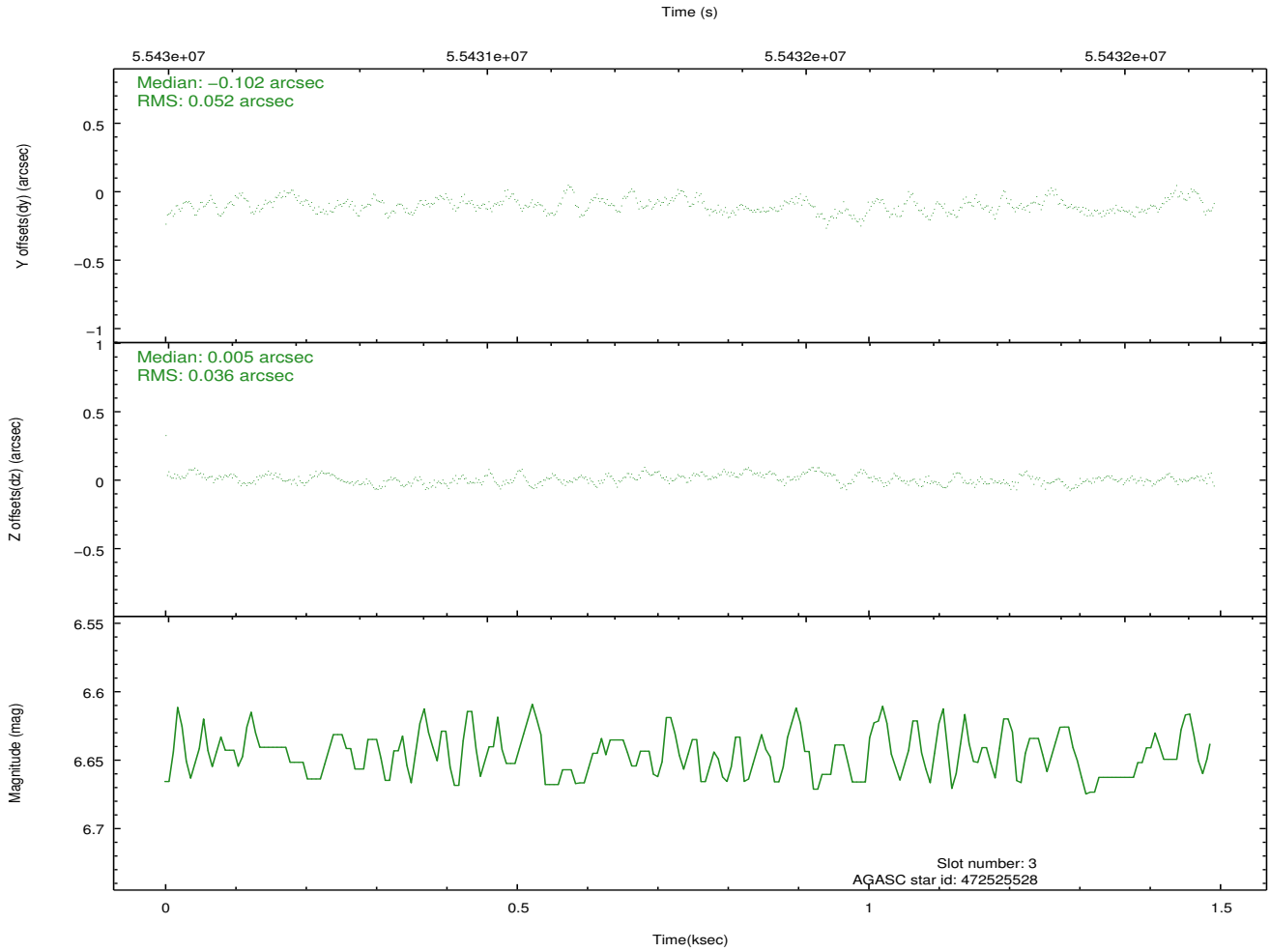
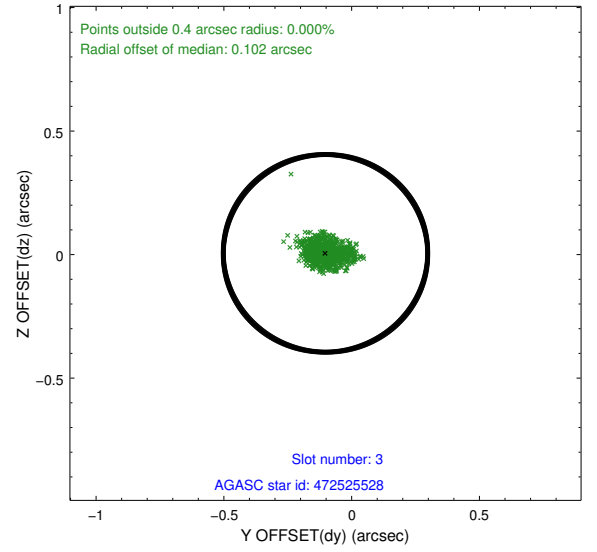
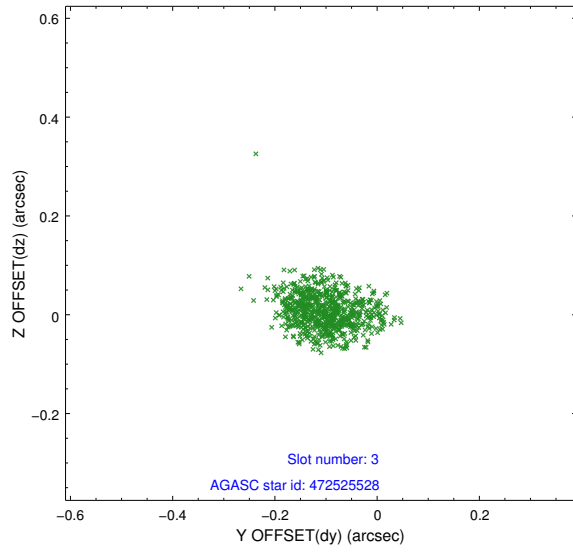


Slot Statistics

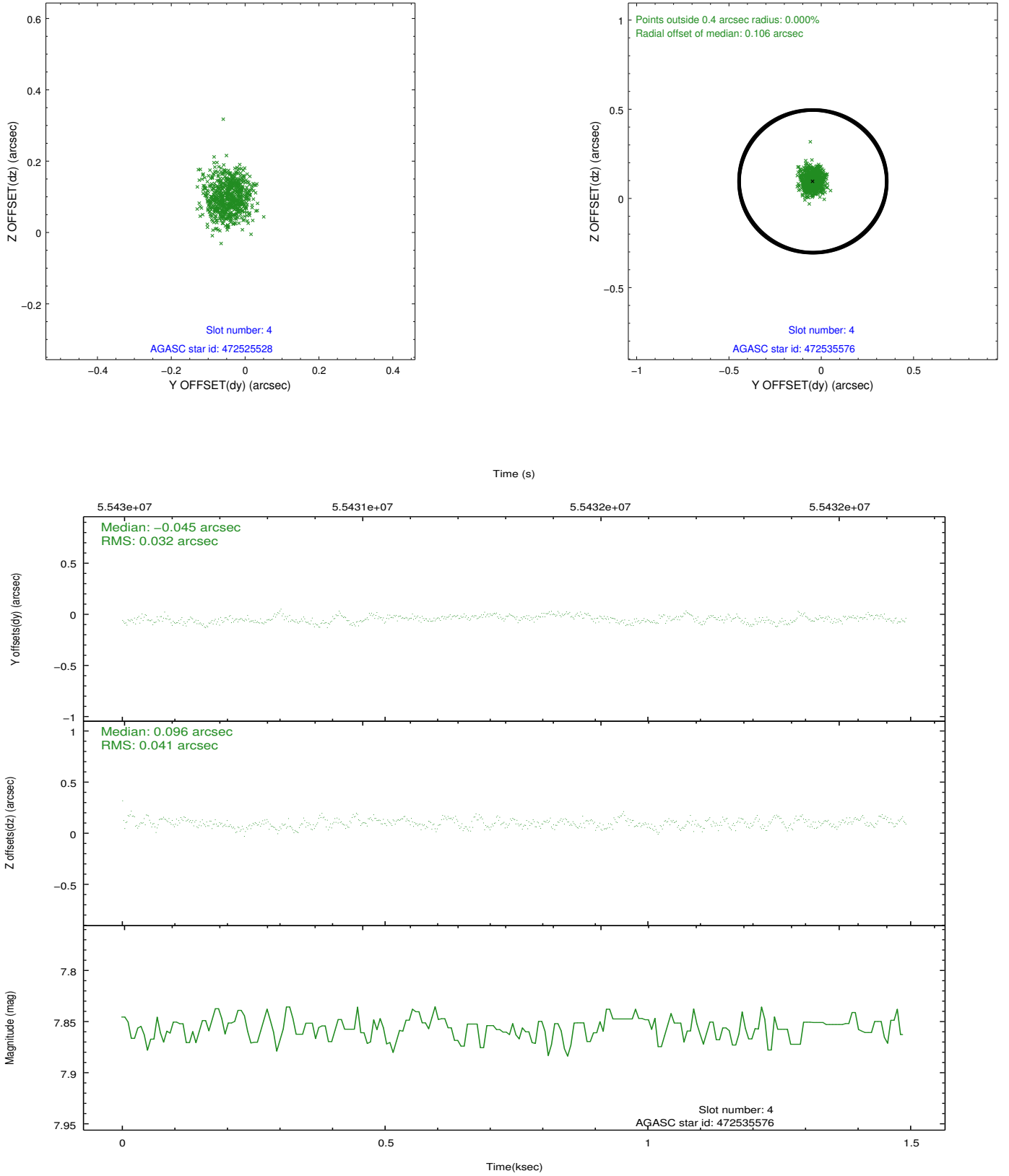
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	728	0.054	-0.014	0.008	0.012	0.000000	0.000000	-755.38	-1286.52
1	FID	HRC-I-3	7.06	728	0.050	-0.026	0.007	0.011	0.000000	0.000000	-1184.99	1016.44
2	FID	HRC-I-4	6.99	728	0.010	-0.048	0.008	0.014	0.000000	0.000000	1285.86	1017.24
3	GUIDE	472525528	6.64	728	-0.102	0.005	0.067	0.107	331.551102	45.248694	2430.82	351.82
4	GUIDE	472535576	7.86	728	-0.045	0.096	0.055	0.088	331.438373	46.291802	-284.23	-2253.75
5	GUIDE	472523760	8.24	728	0.079	-0.025	0.050	0.084	331.645363	45.403260	1849.66	178.27
6	GUIDE	472665256	9.00	728	0.025	-0.088	0.070	0.114	332.808125	46.195041	-2206.84	584.51
7	GUIDE	472659832	9.47	727	0.040	0.007	0.088	0.142	332.780399	46.098139	-1901.95	758.68

2.4 Star Slots

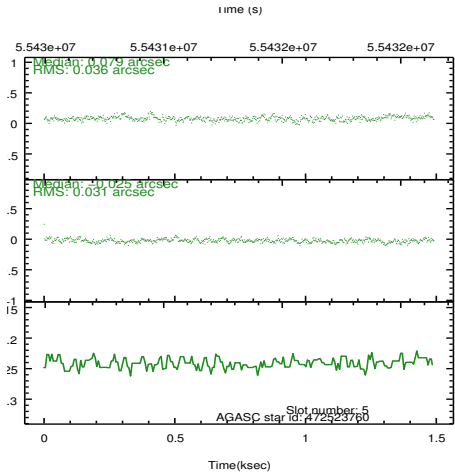
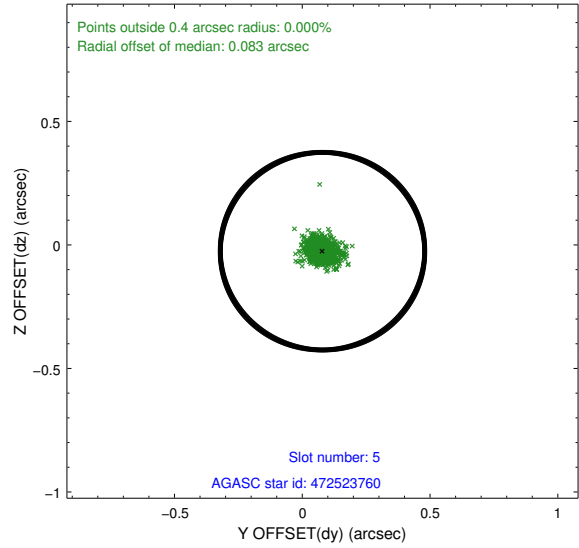
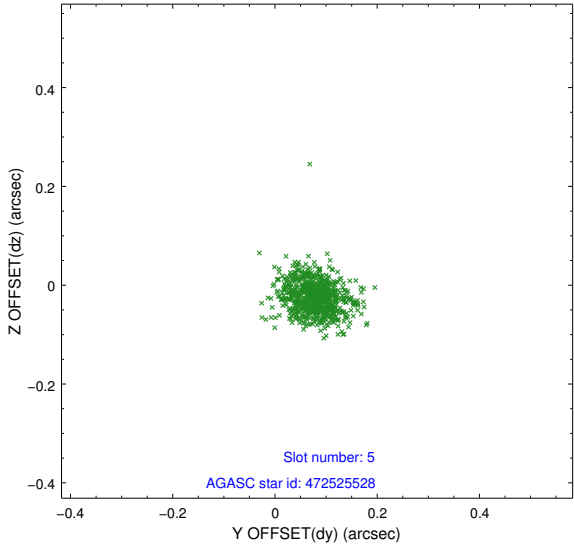
2.4.1 Slot 3



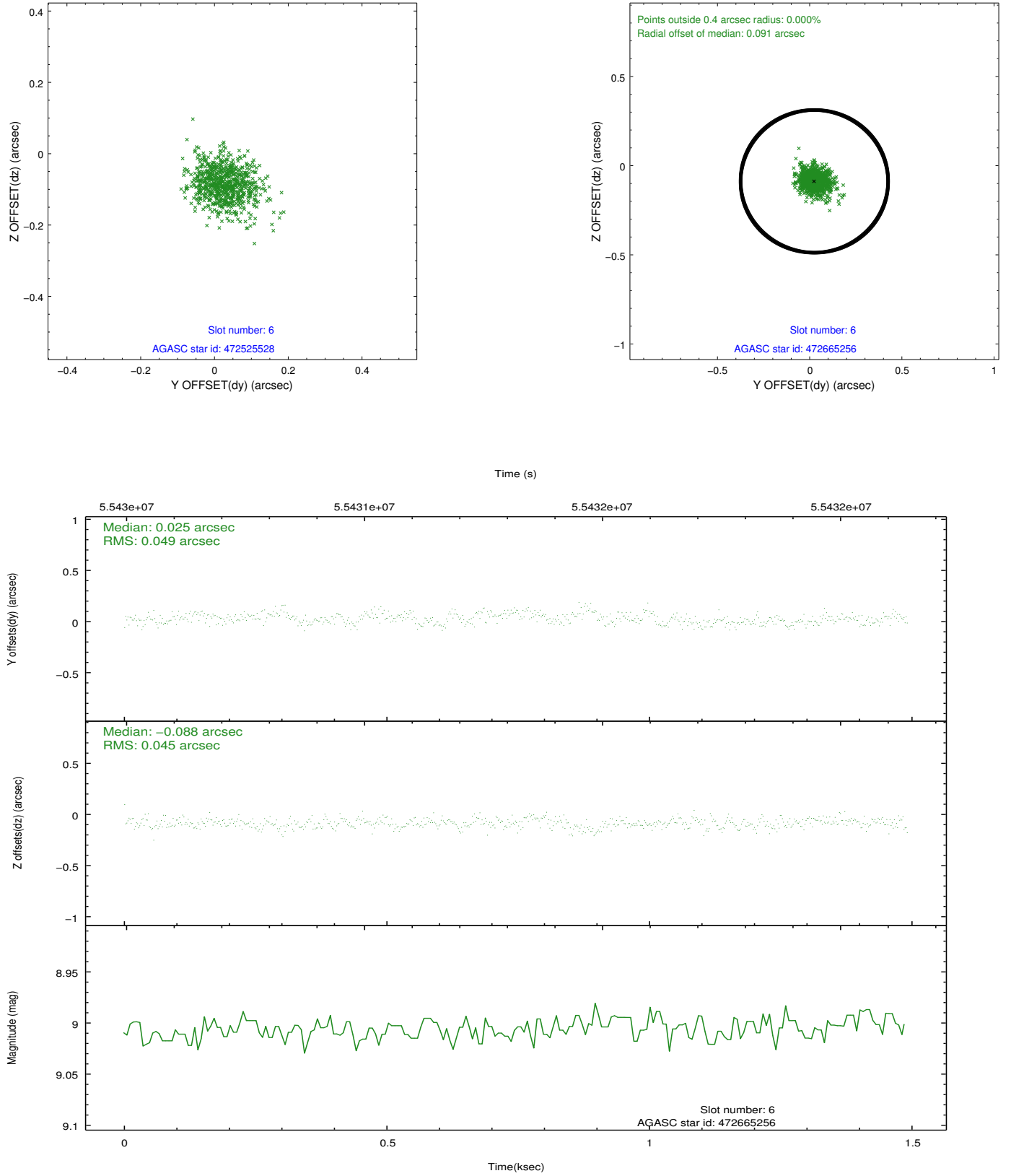
2.4.2 Slot 4



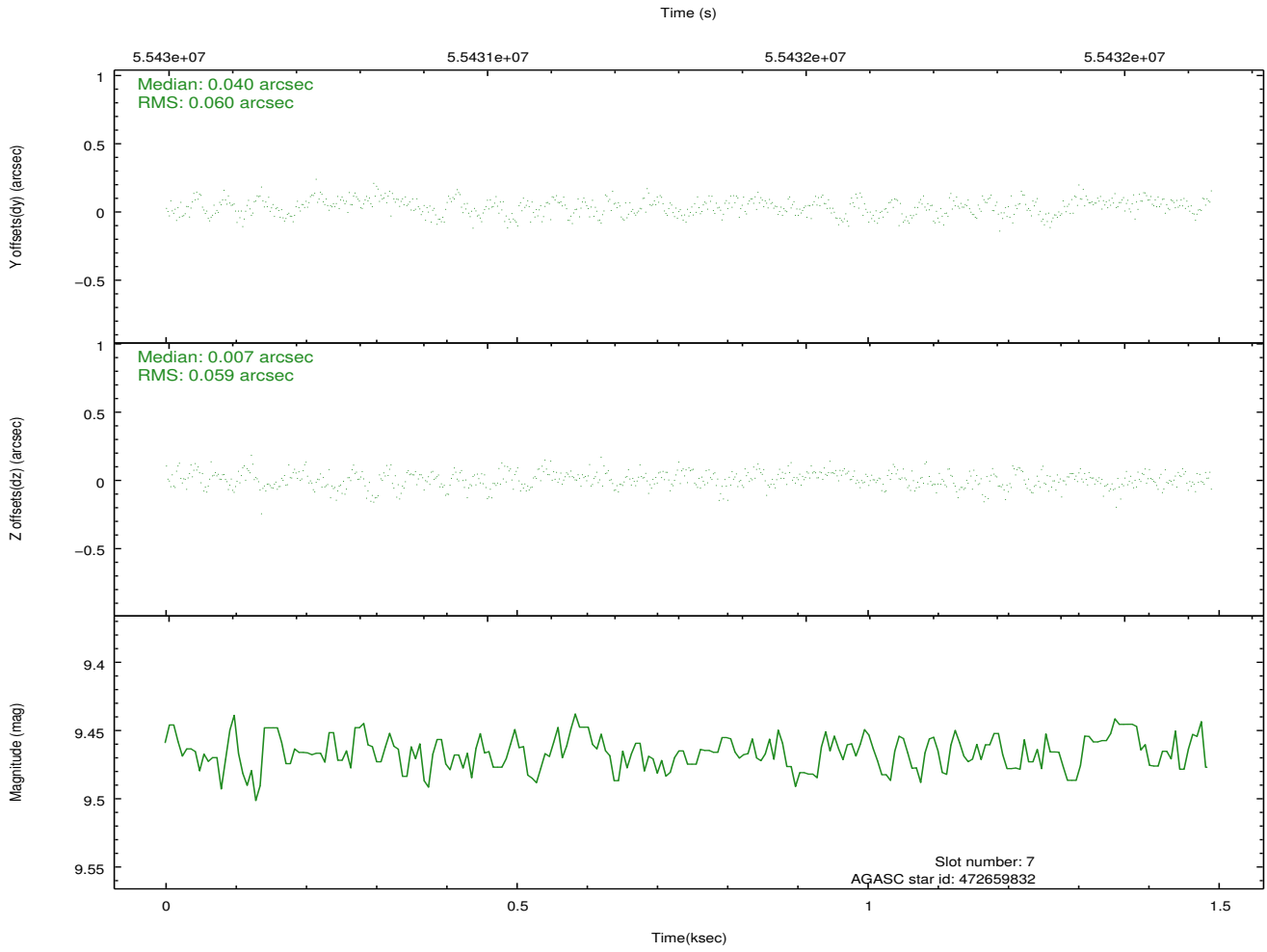
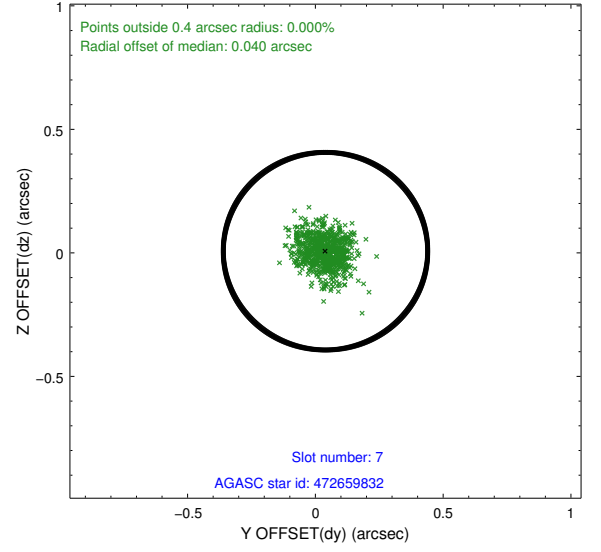
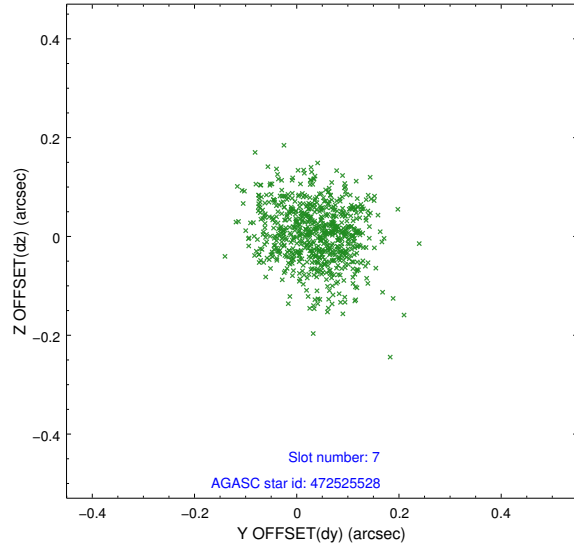
2.4.3 Slot 5



2.4.4 Slot 6

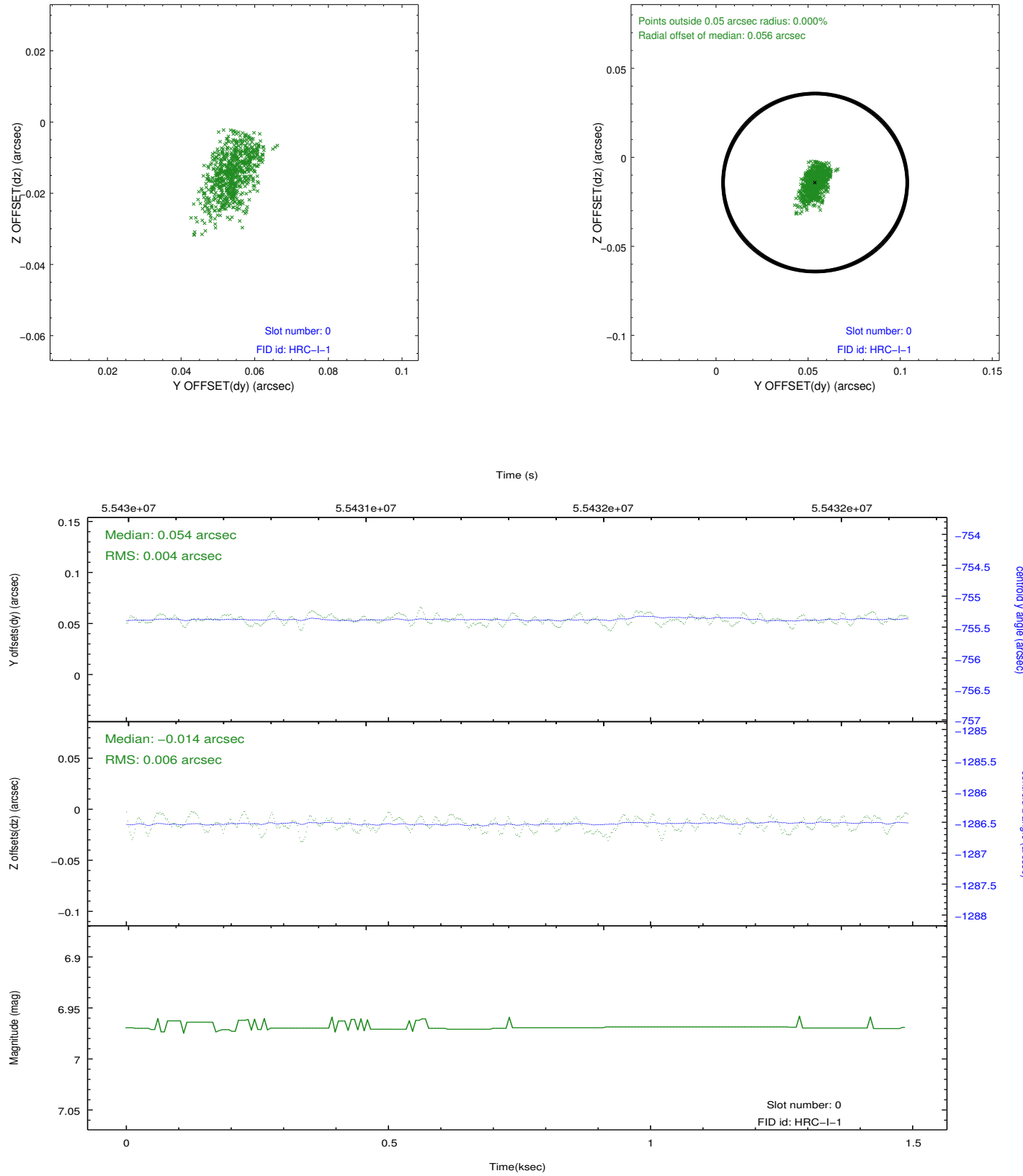


2.4.5 Slot 7

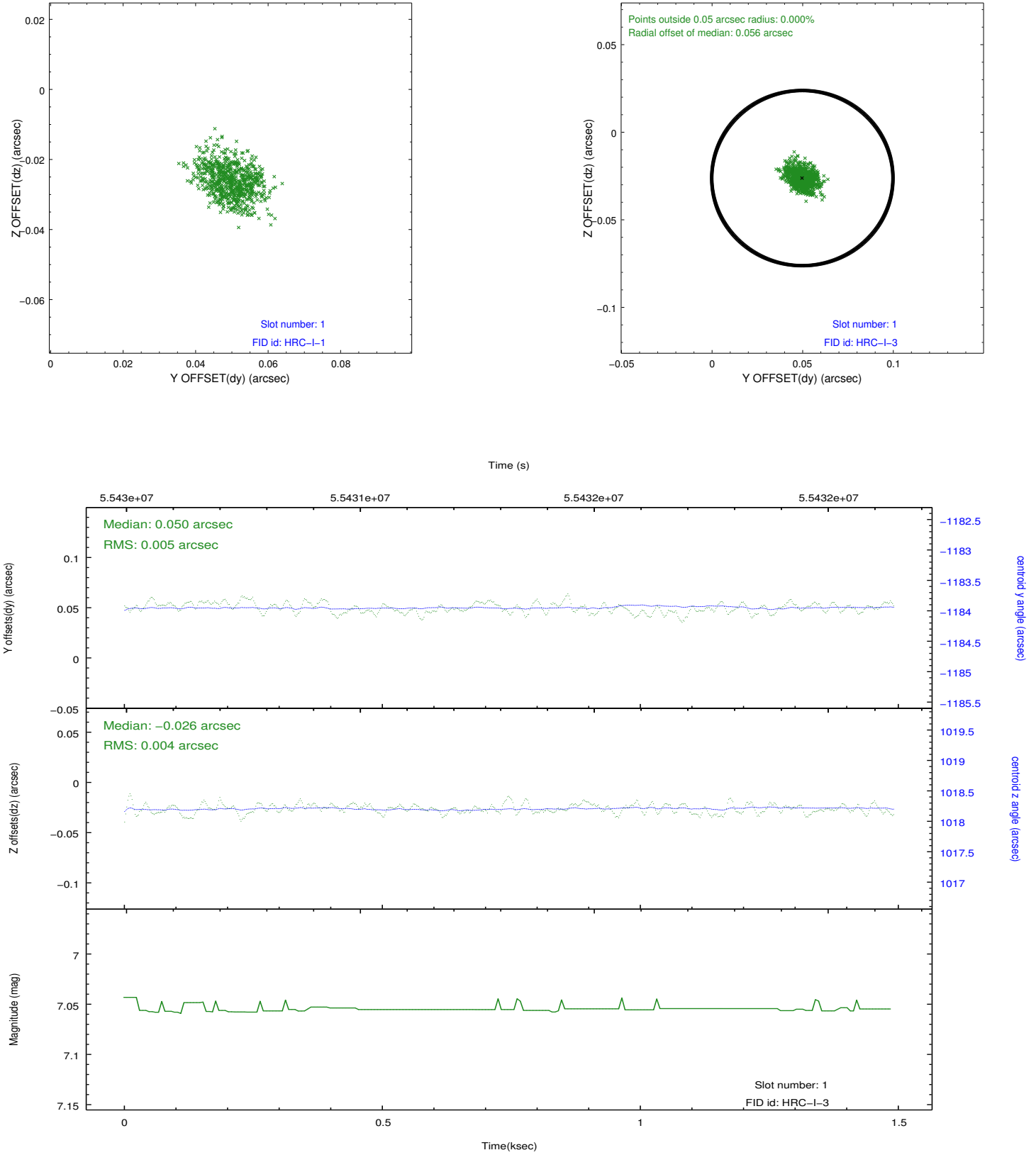


2.5 FID Slots

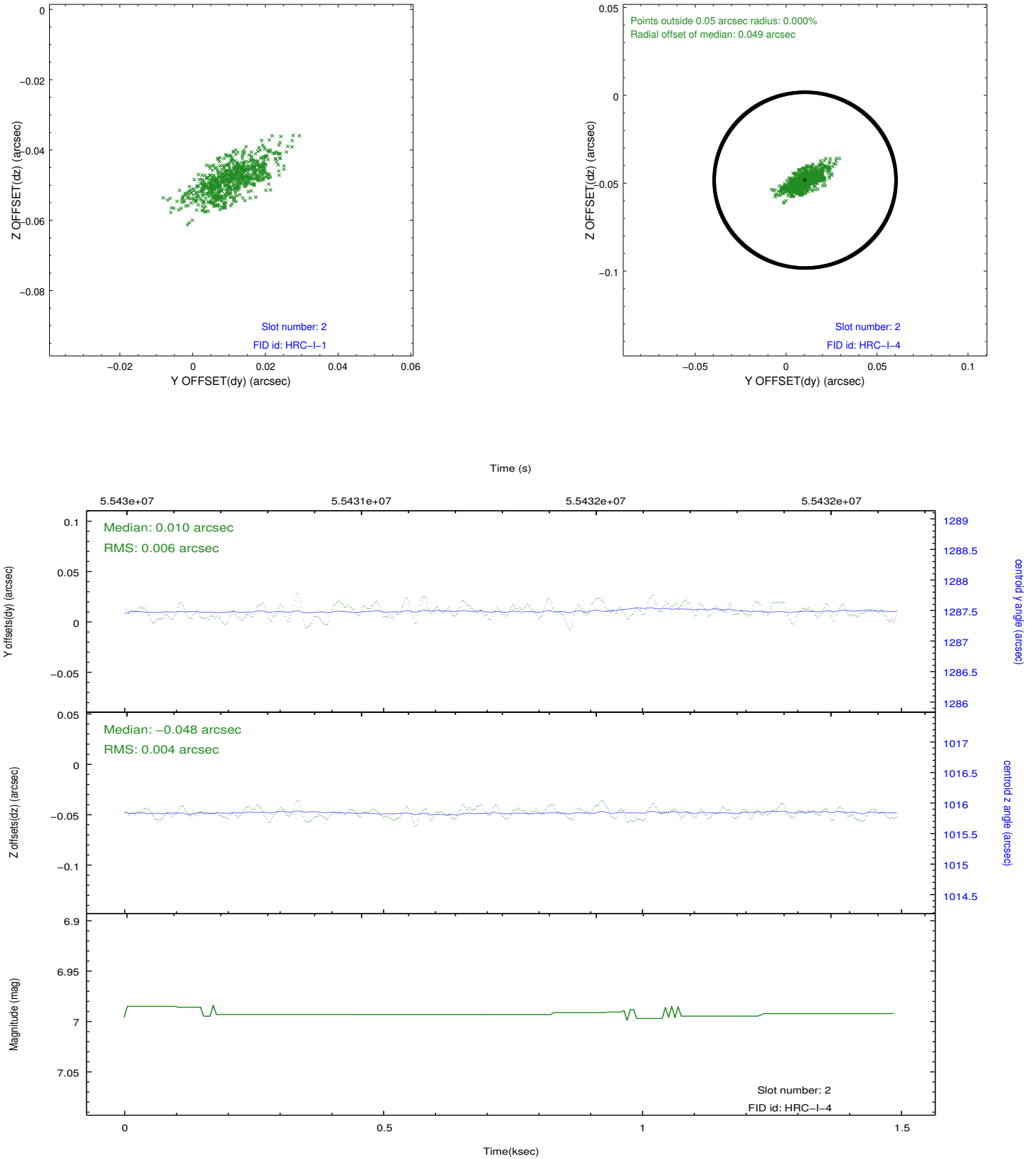
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

14.65 arcmin



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2009.11.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.274

A.2 Comments

The ObsID series 1319-1382 were intended to access the HRC-I gain variation across the detector as a function of MCP HV. They were performed as triples (3 different HV settings at each Y-/Z-offset). The best HRC-I focus was not determined at the time the observations were performed (the data to determine that were being analyzed during this series).