

V&V Reference Report

L2 ASCDS Version : 8.3.2.1

Observation 1333 - L2 Version 4

Chandra X-Ray Center

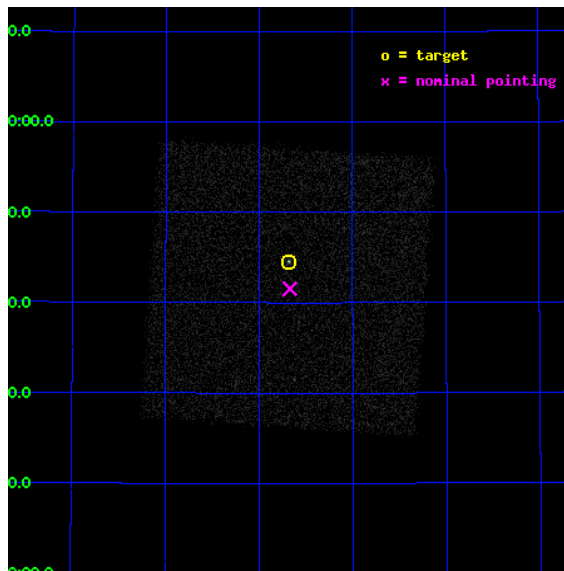
L2 Processing Date : Sep 28 2010

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1 Front

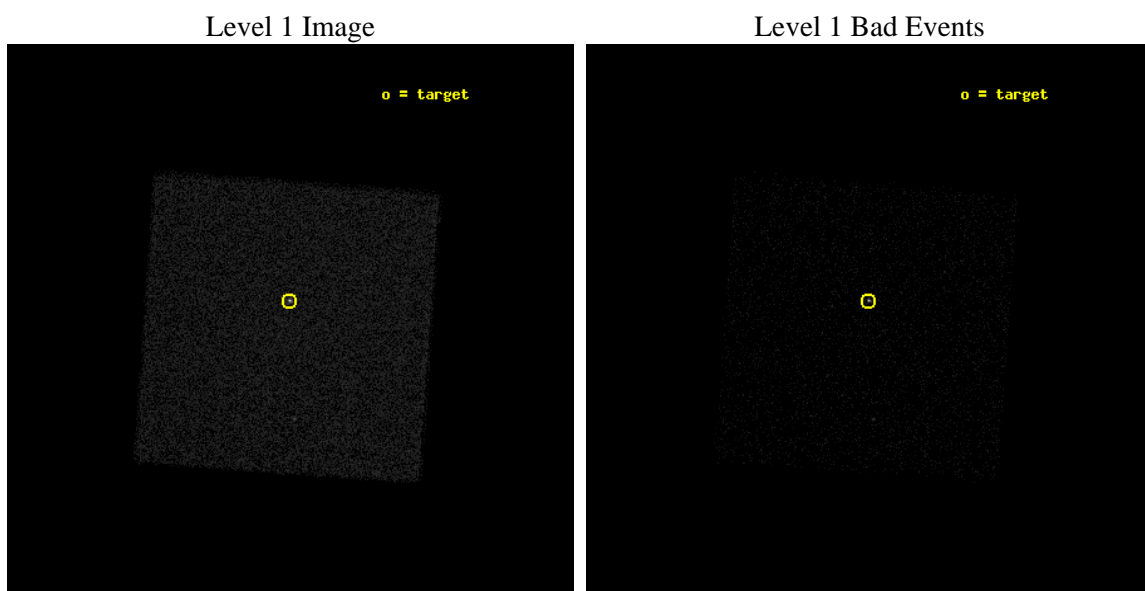
seq_num	280283	Sequence number
obs_id	1333	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.1701	Observer's specified target RA
dec_targ	45.7423	Observer's specified target Dec
ra_nom	332.1677970846	Nominal RA
dec_nom	45.692475871463	Nominal Dec
roll_nom	229.1089859248	Nominal Roll
revision	4	Processing version of data
ontime	747.48127692193	[s]
livetime	742.11916168512	Ontime multiplied by DTCOR
l2events	26345	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	8.3.2.1	Processing system revision	ontime	747.48127692193	[s]
caldbver	4.3.1	 	l1events	72016	Number of level 1 events
date	2010-09-28T17:06:05	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

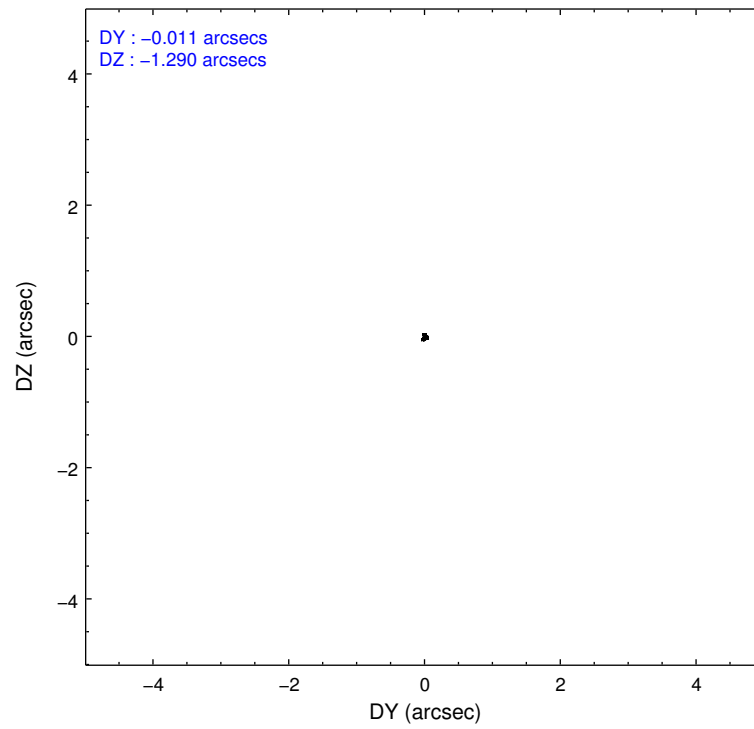
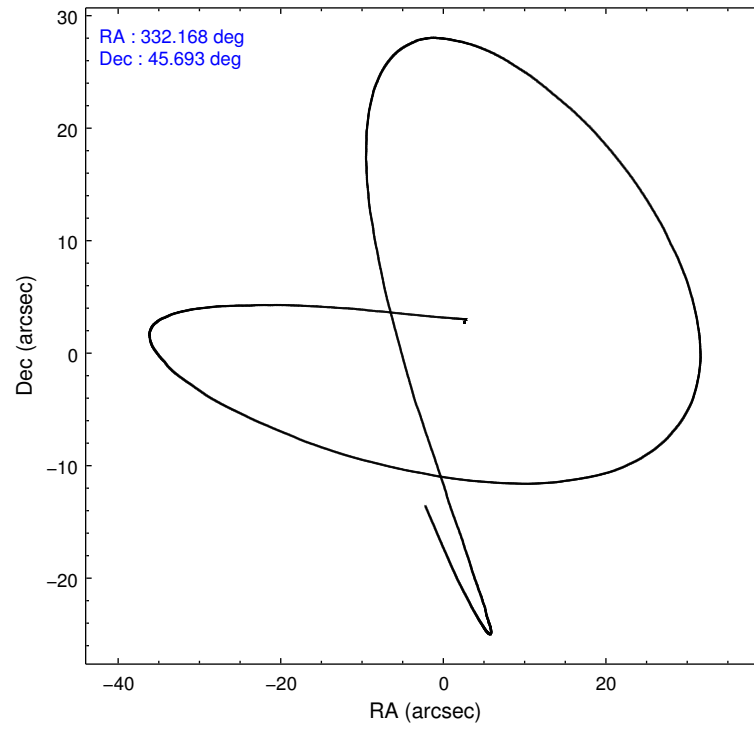
Level 1 Events

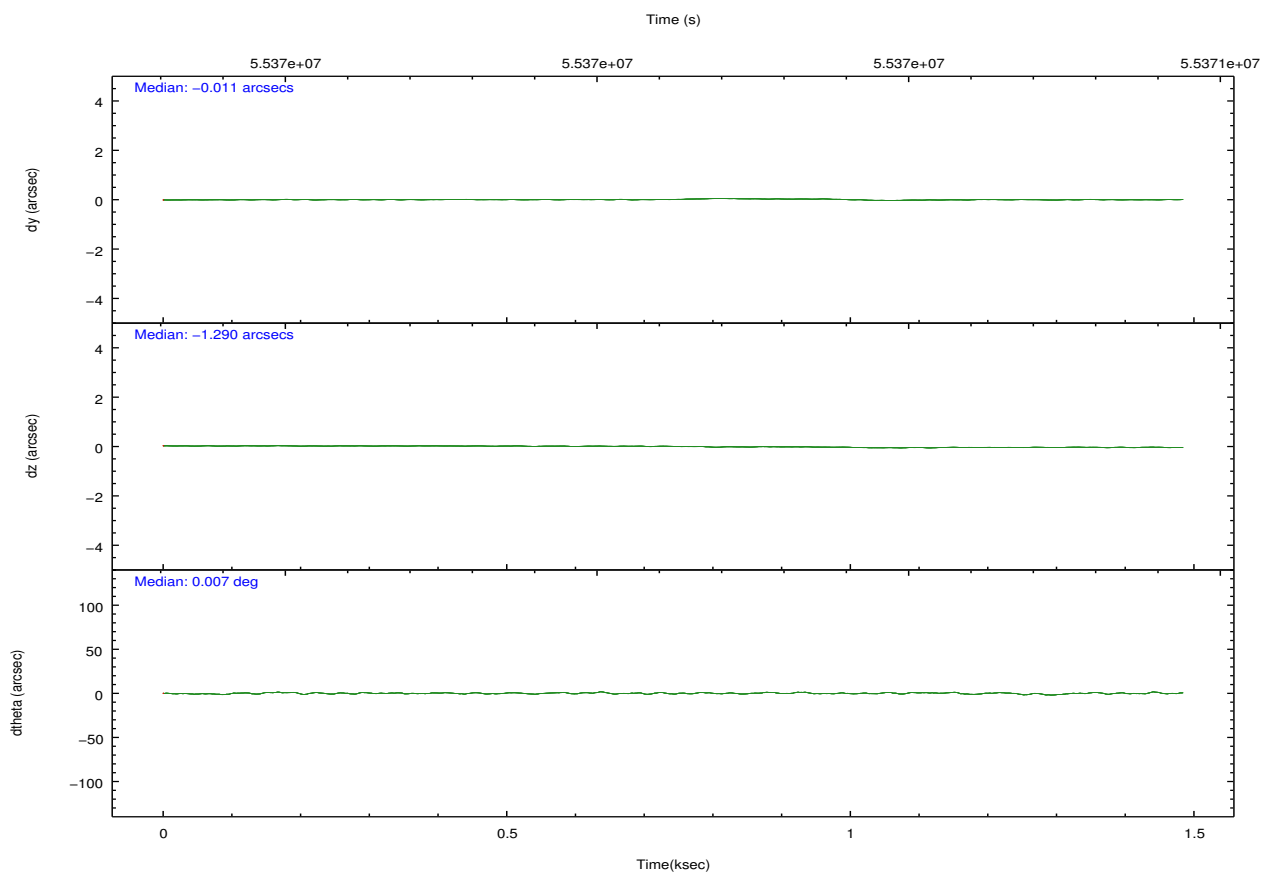
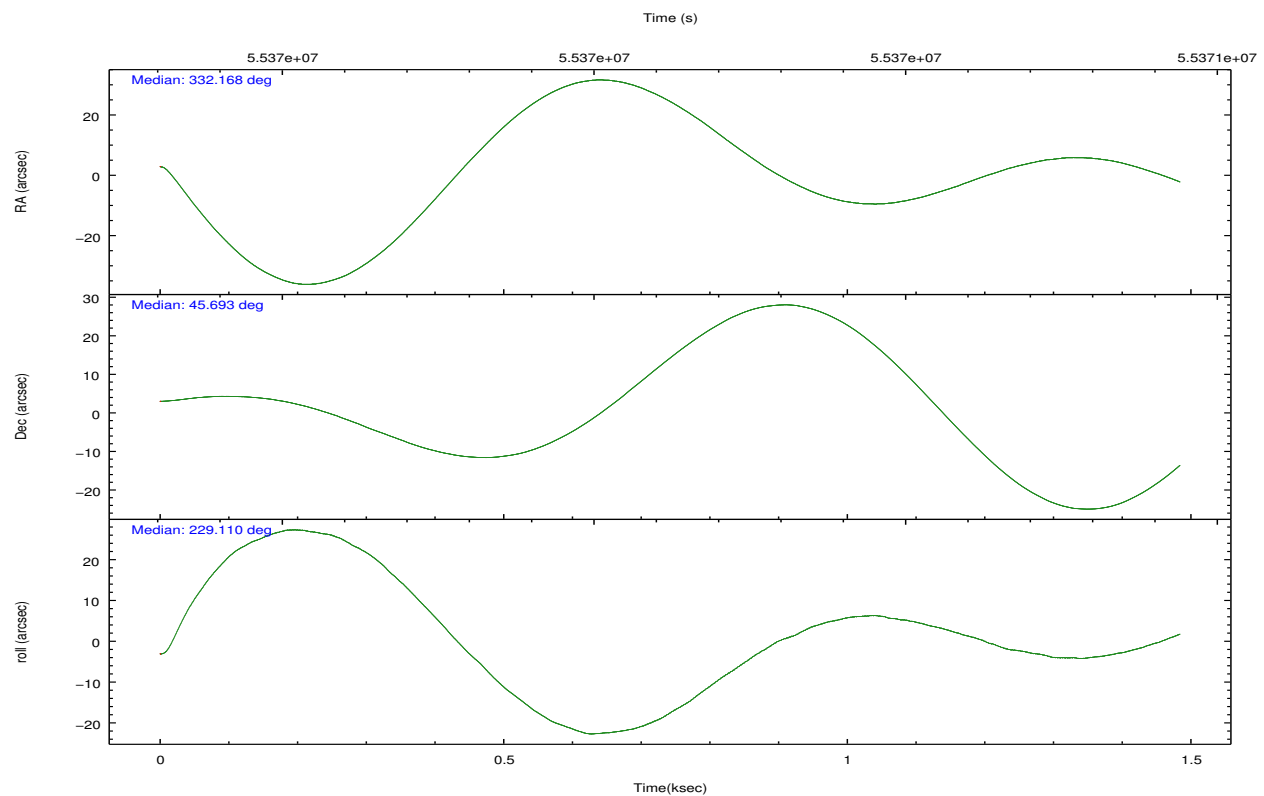
	segment 0
level 1 events	72016
rejected events	31368
rejected %	43%

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	332.176152	332.1677970846007			
Pointing Dec	45.720159	45.69247587146261			
Pointing Roll	229.198466	229.1089859247982			
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	55369864.184000	55369197.969622			
Observation start date	1999-10-03T20:30:00	1999-10-03T20:19:57			
Observation end time	55370864.184000	55370997.869687			
Observation end date	1999-10-03T20:46:40	1999-10-03T20:49:57			

2.3 Aspect



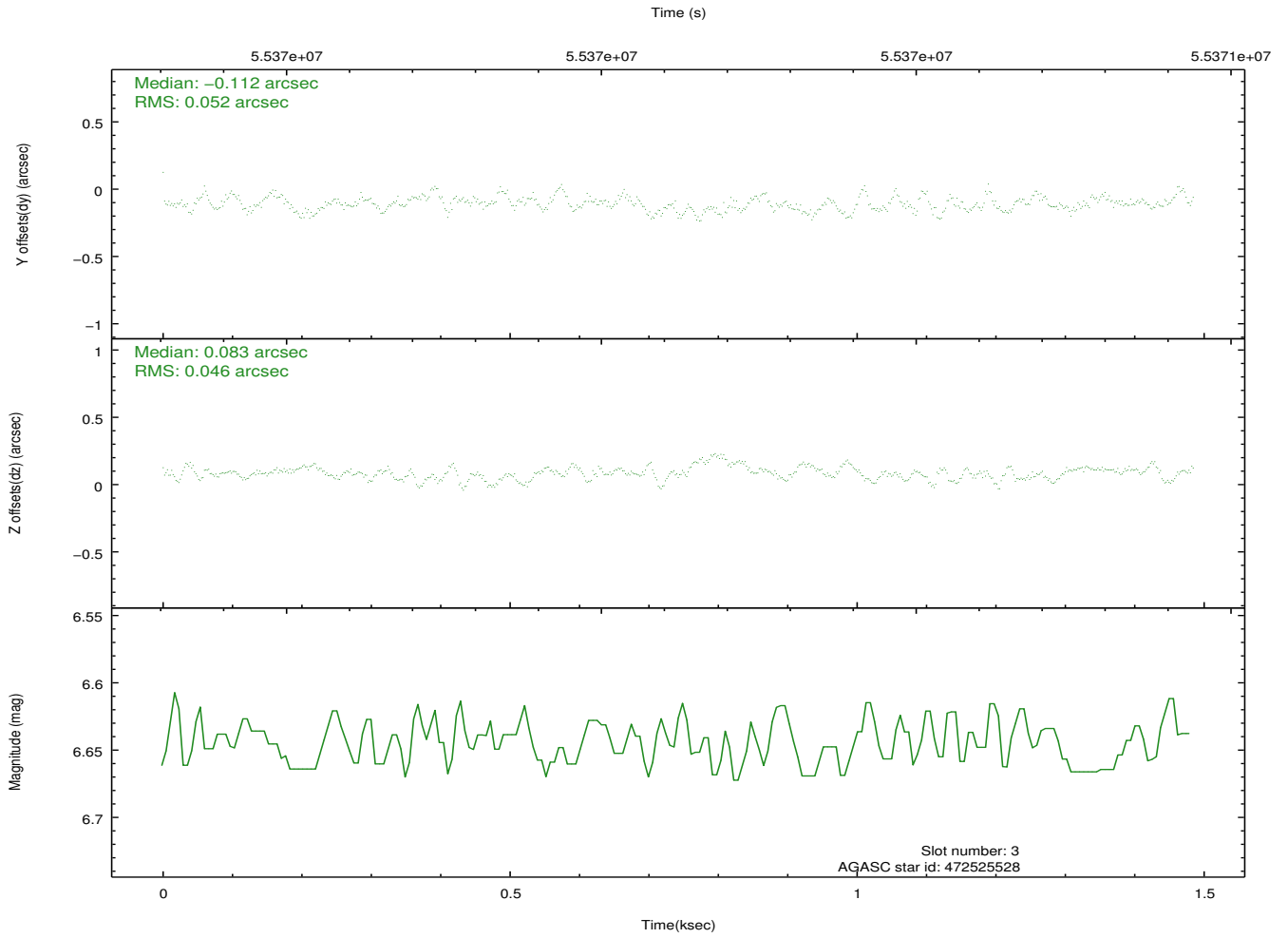
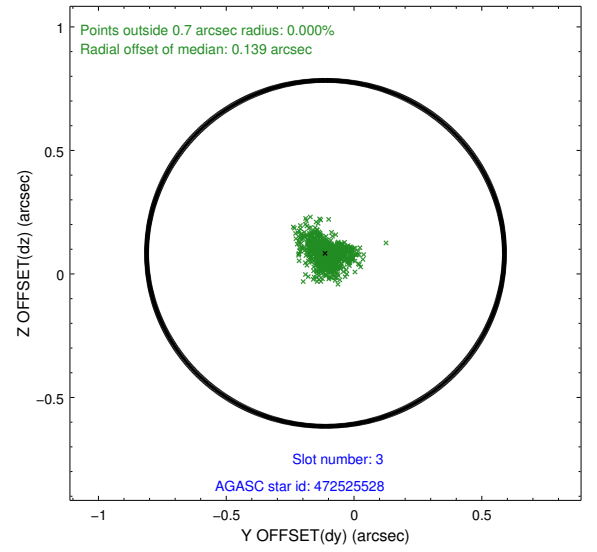
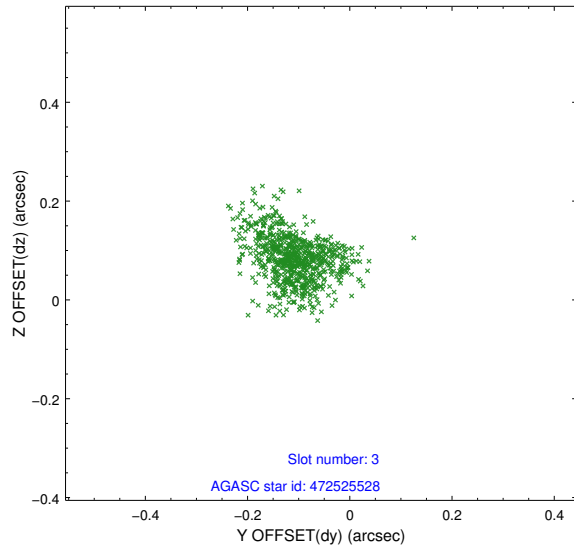


Slot Statistics

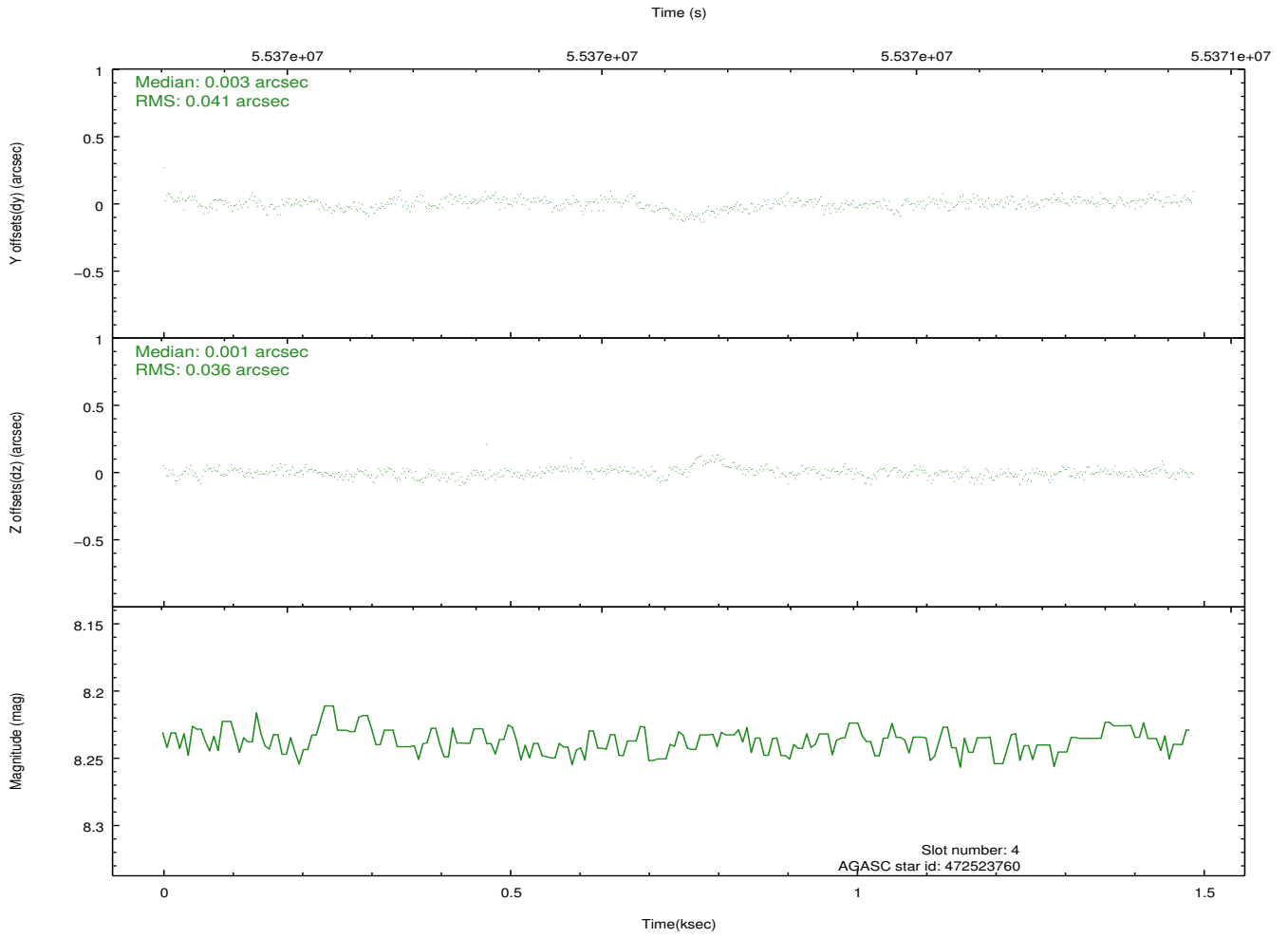
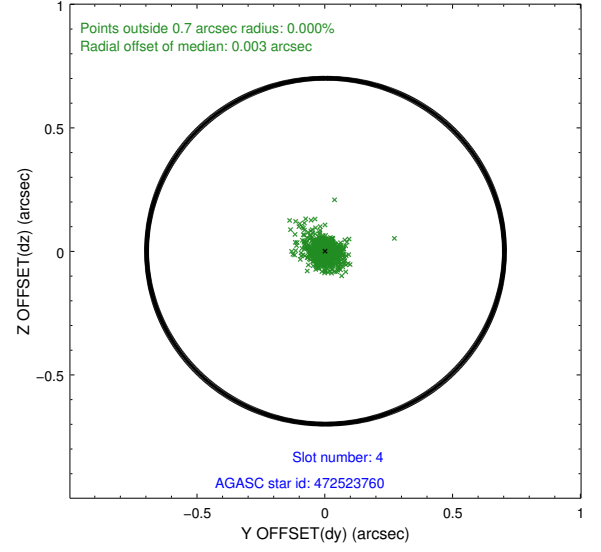
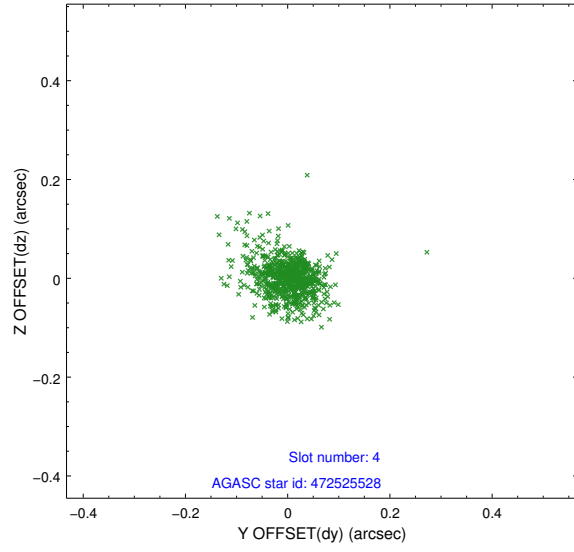
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.95	725	0.034	-0.014	0.005	0.010	0.000000	0.000000	-755.38	-1286.51
1	FID	HRC-I-3	7.03	725	0.043	-0.045	0.005	0.010	0.000000	0.000000	-1185.00	1016.42
2	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
3	GUIDE	472525528	6.64	725	-0.112	0.083	0.074	0.120	331.551102	45.248694	2312.16	-94.31
4	GUIDE	472523760	8.24	725	0.003	0.001	0.052	0.100	331.645363	45.403260	1737.04	-273.36
5	GUIDE	472665256	9.00	724	0.002	-0.048	0.066	0.120	332.808125	46.195041	-2328.51	70.39
6	GUIDE	472659832	9.46	724	-0.019	0.037	0.082	0.134	332.780399	46.098139	-2026.30	248.91
7	GUIDE	472655704	9.47	702	0.112	-0.073	0.091	0.343	332.167195	45.285228	1194.25	1005.97

2.4 Star Slots

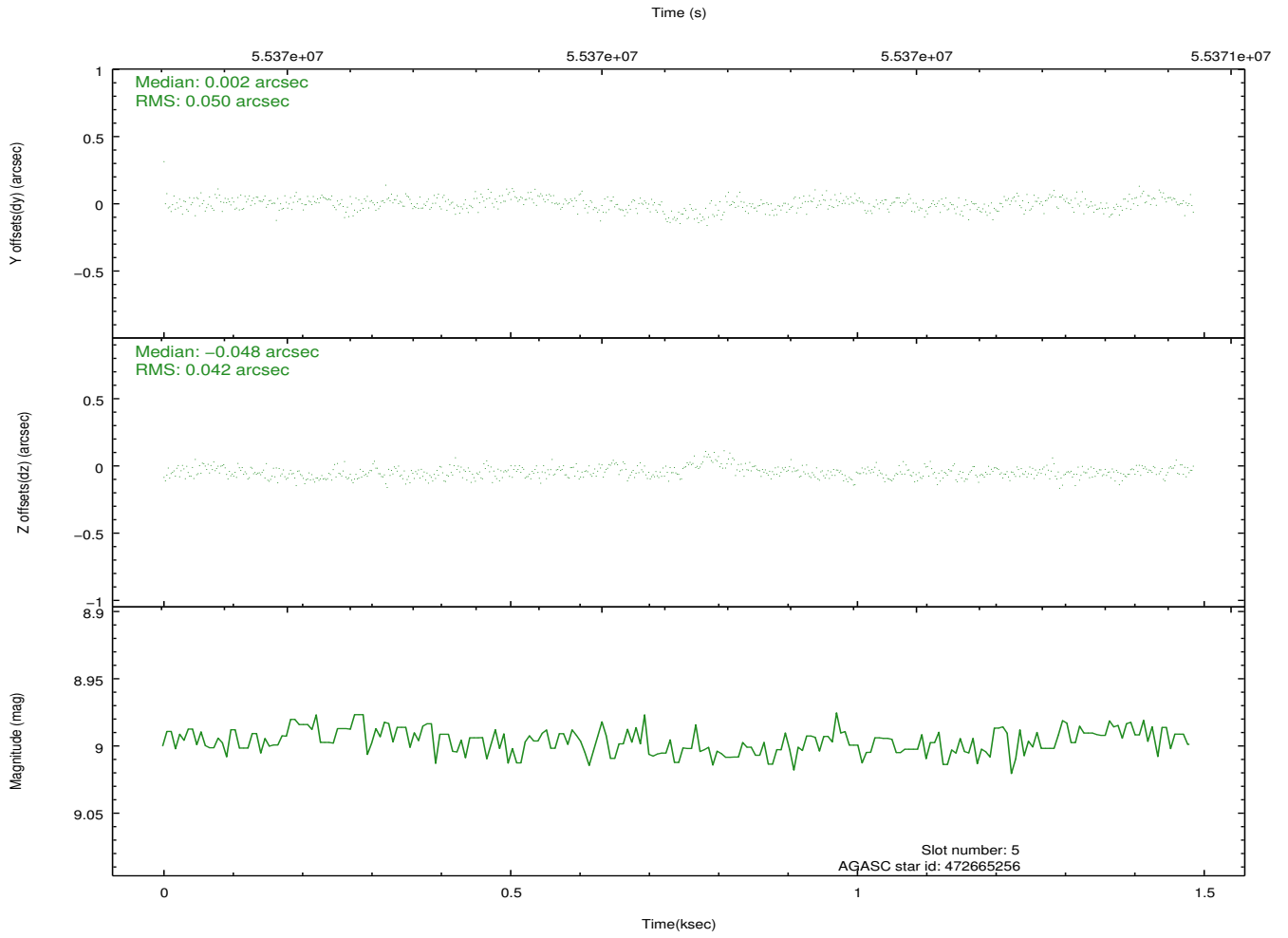
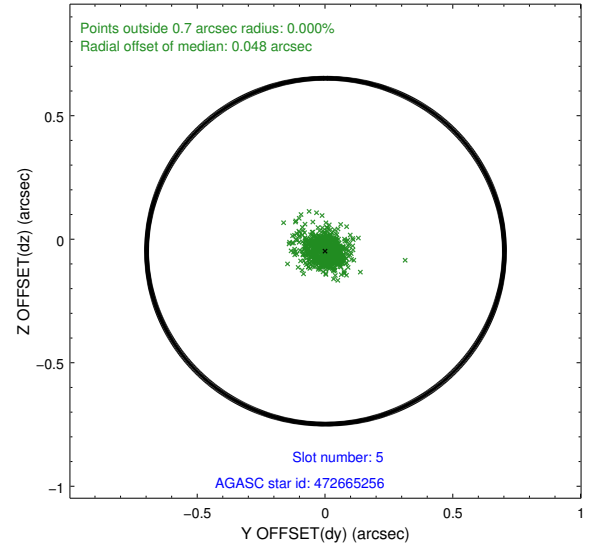
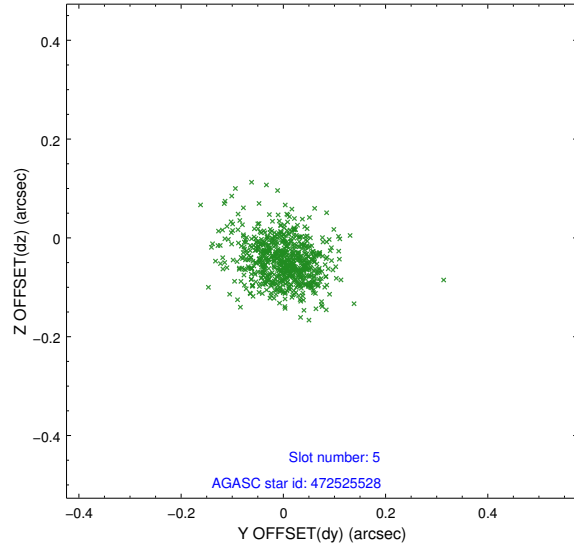
2.4.1 Slot 3



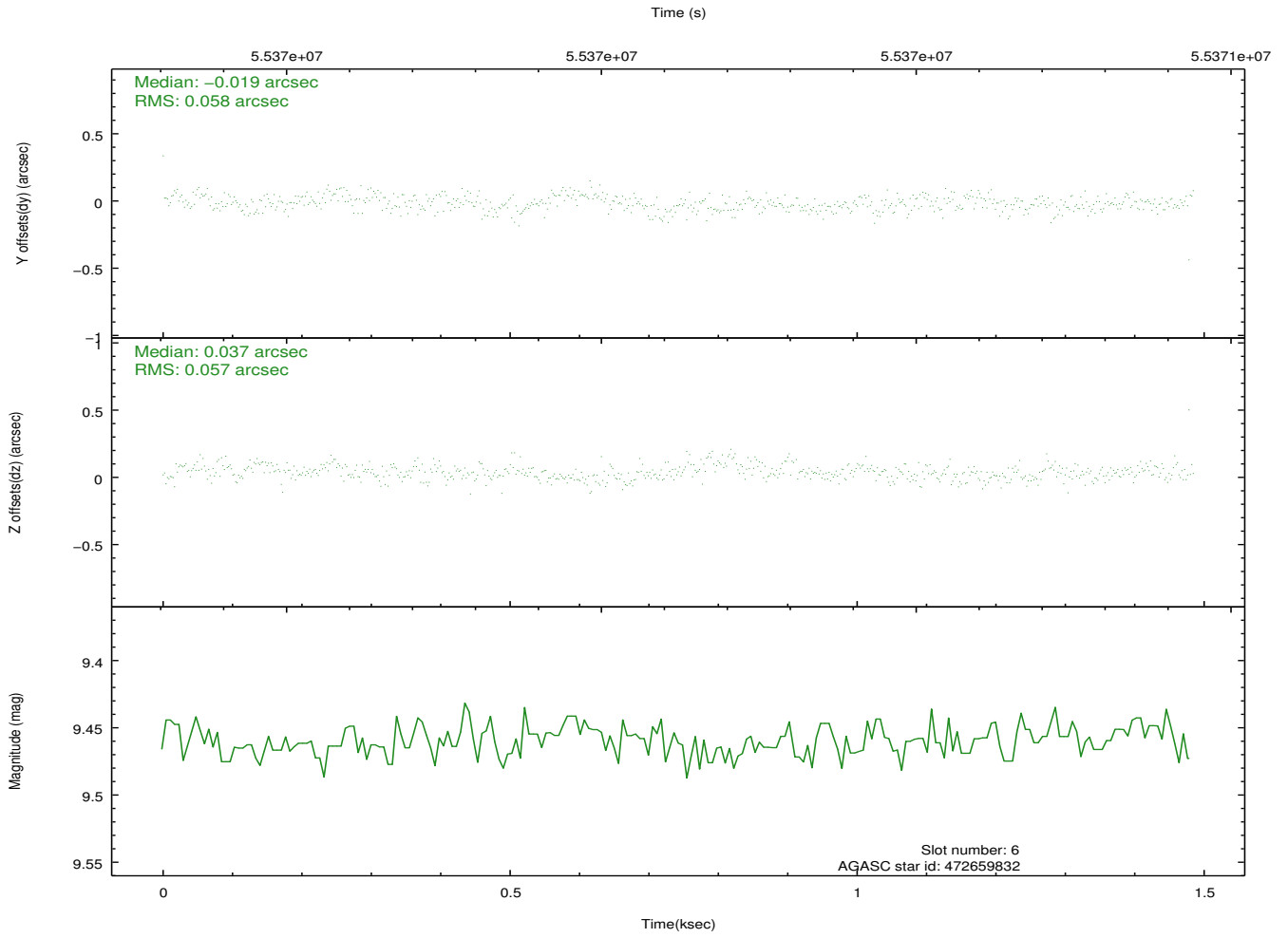
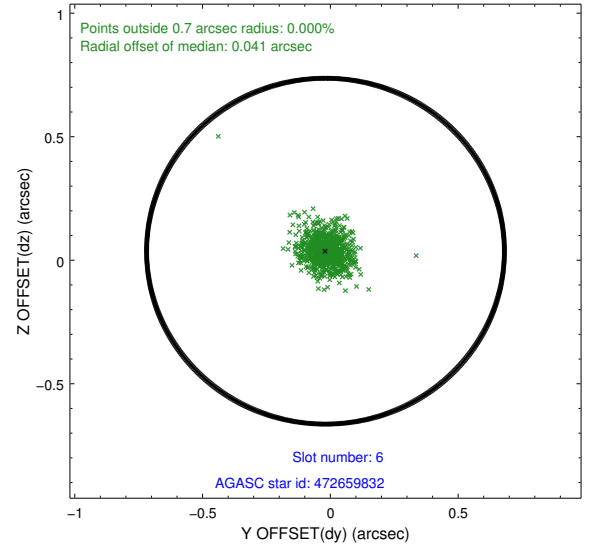
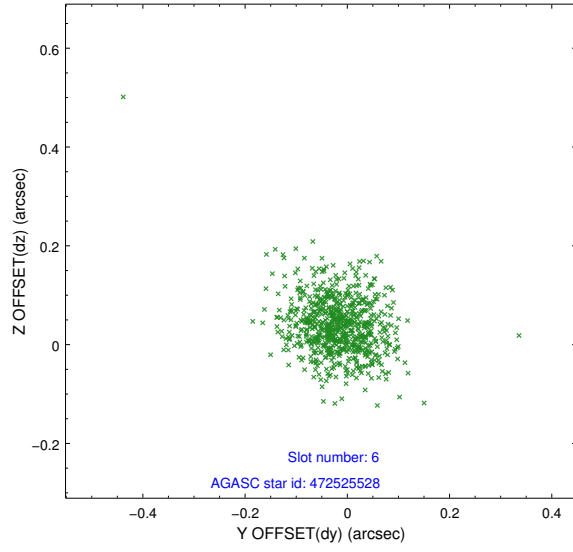
2.4.2 Slot 4



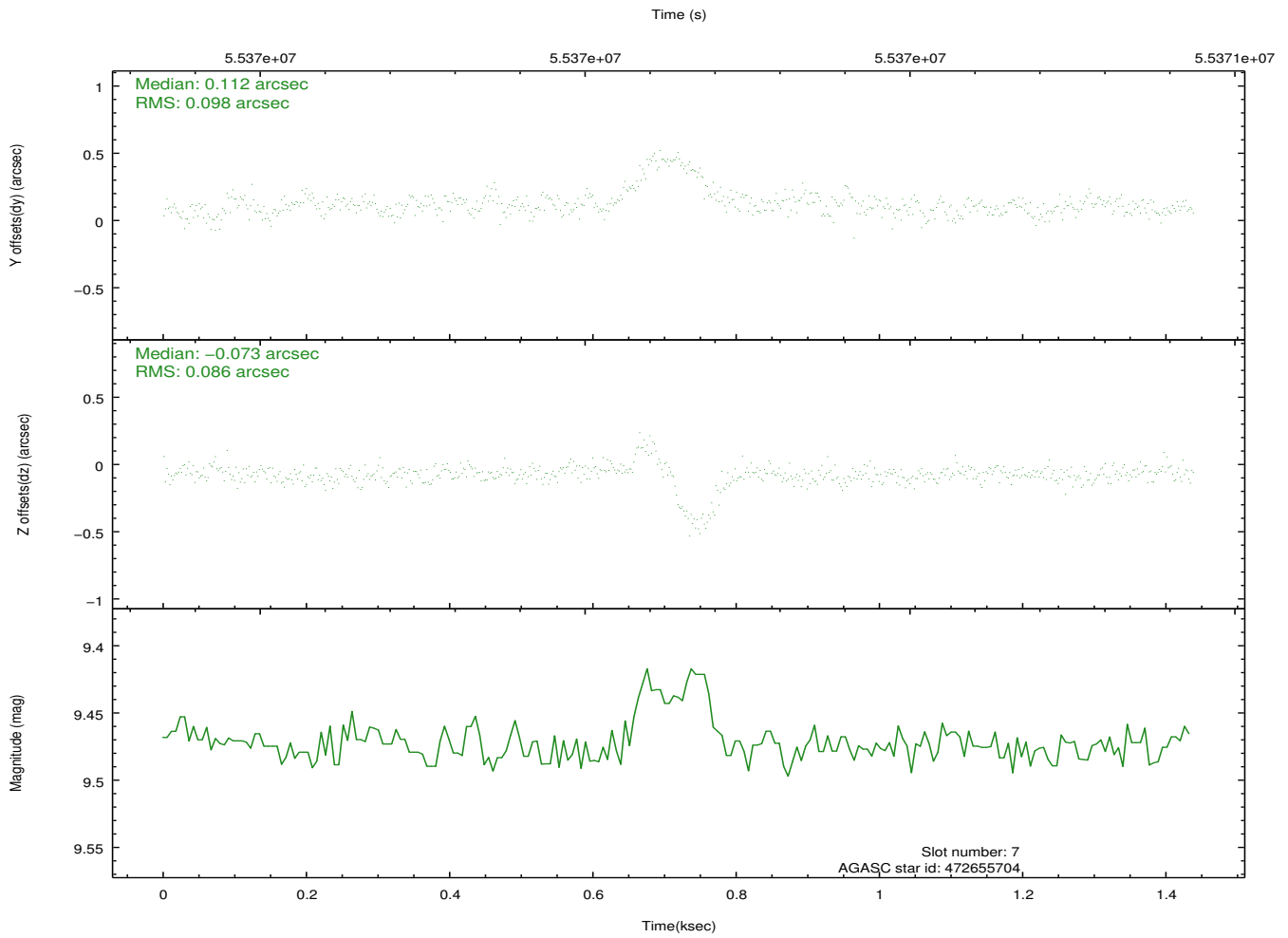
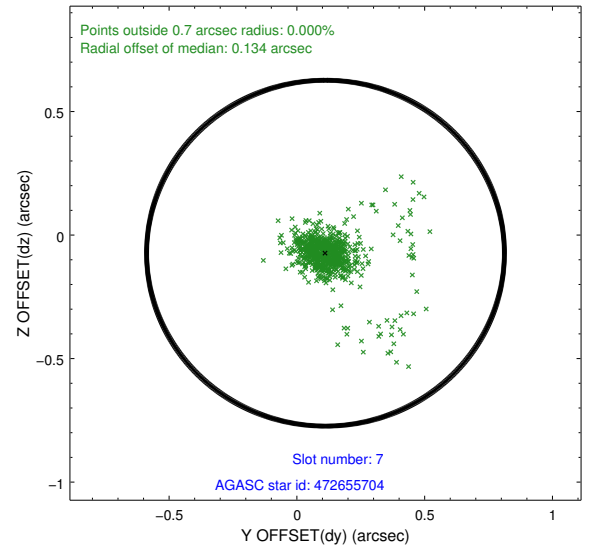
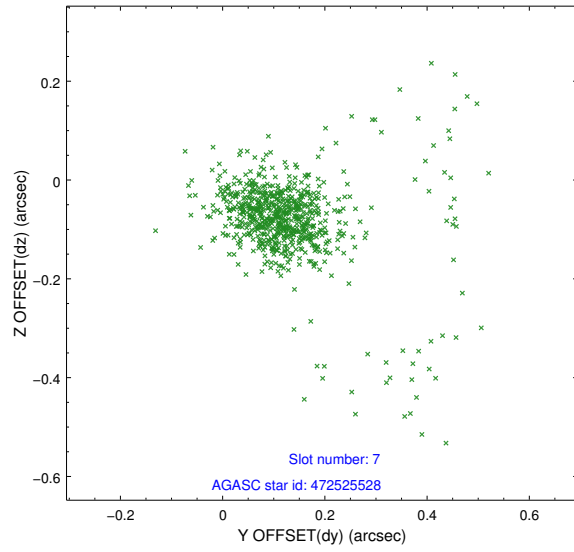
2.4.3 Slot 5



2.4.4 Slot 6

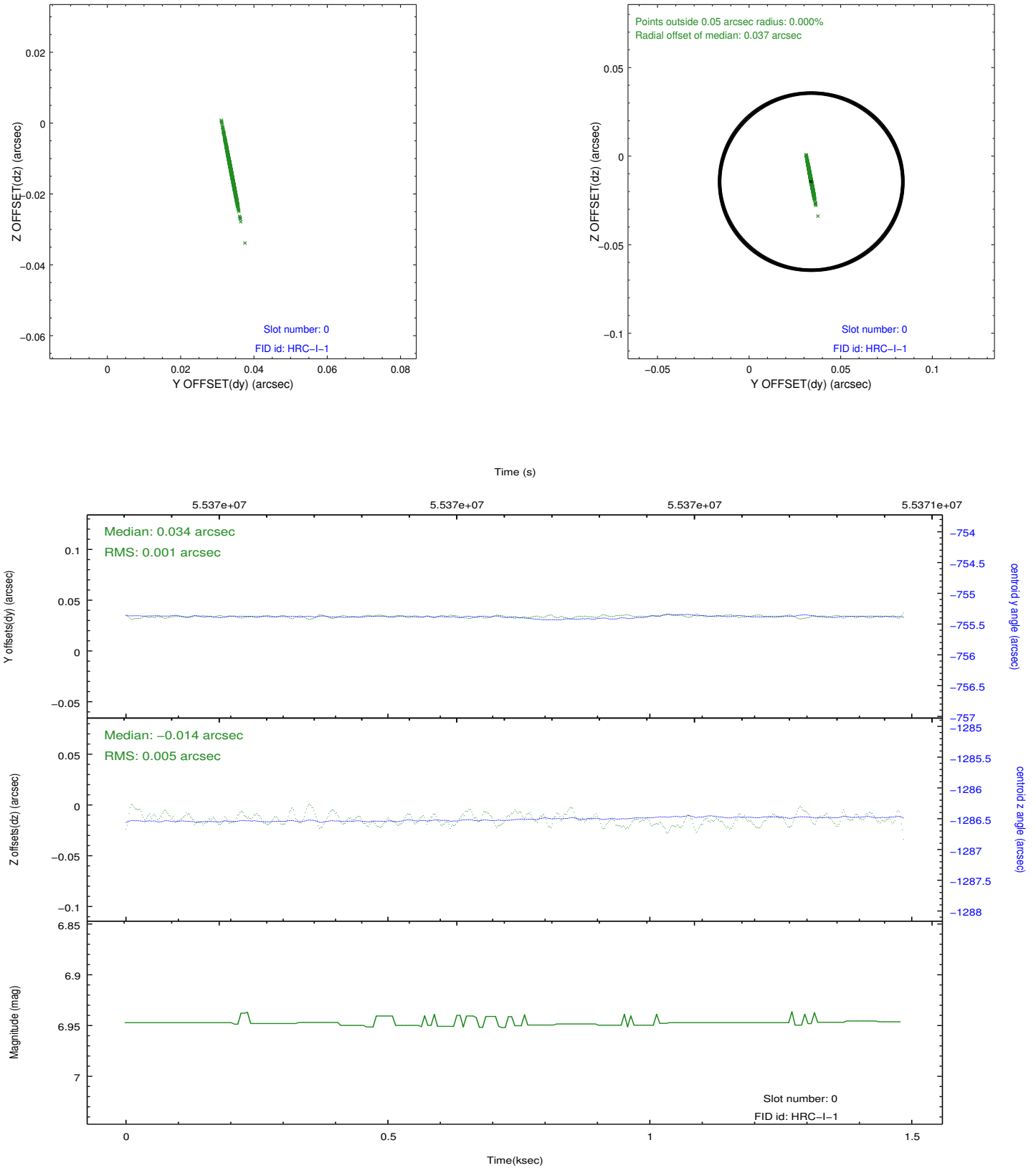


2.4.5 Slot 7

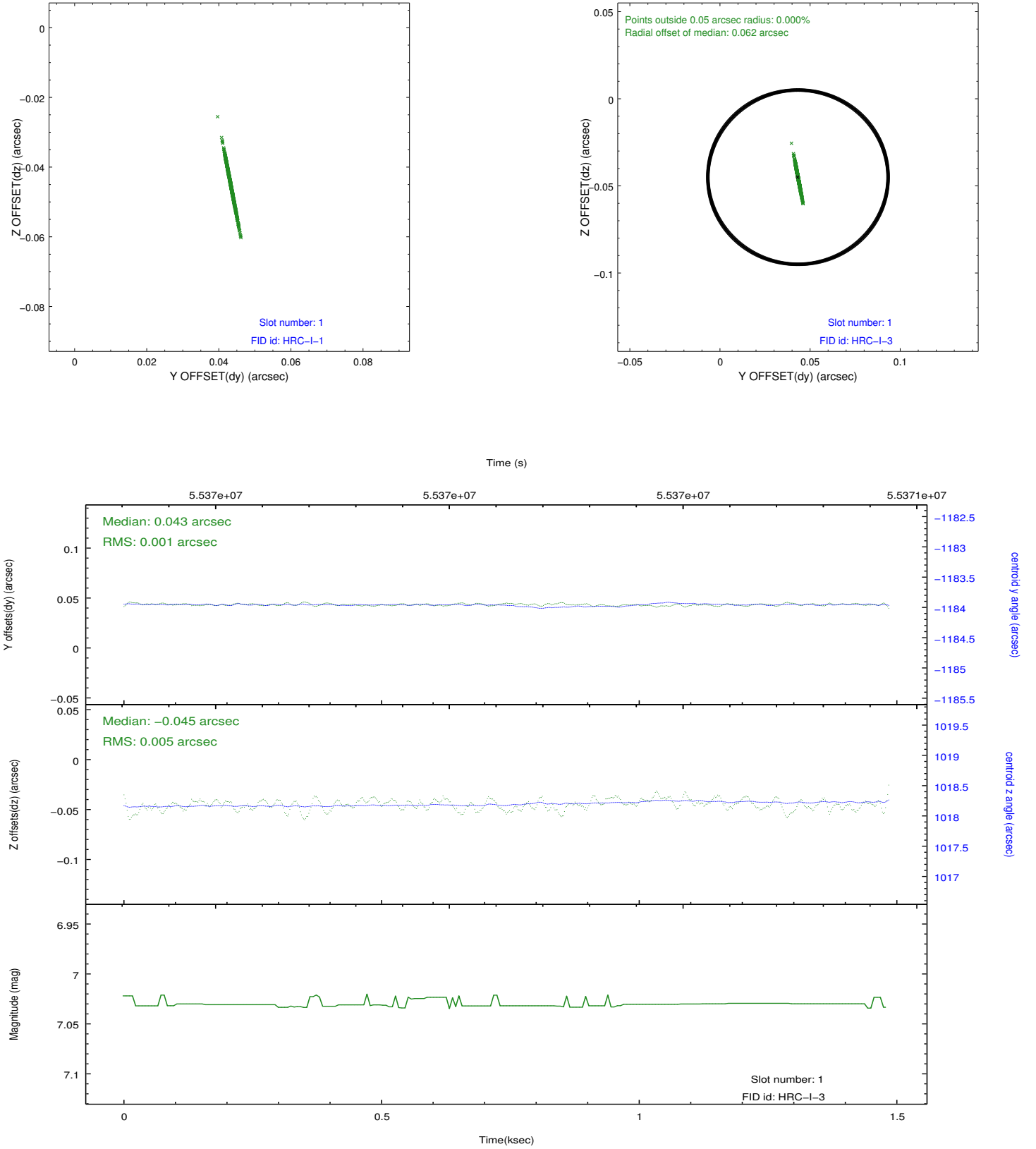


2.5 FID Slots

2.5.1 Slot 0

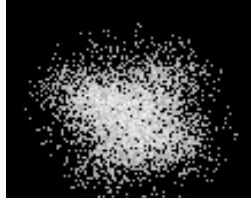


2.5.2 Slot 1



3 Point Sources

2.99 arcmin



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2010.09.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.747

A.2 Comments

AR LAC observation to study HRC-I spatial gain dependence on HV. Source is off-axis.

Slot 2 was not utilized in this observation.