

V&V Reference Report

L2 ASCDS Version : 8.2.1

Observation 1287 - L2 Version 3

Chandra X-Ray Center

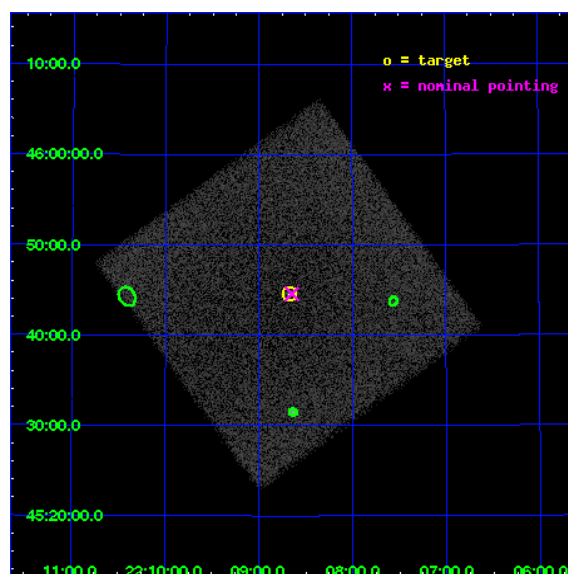
L2 Processing Date : Jan 12 2010

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

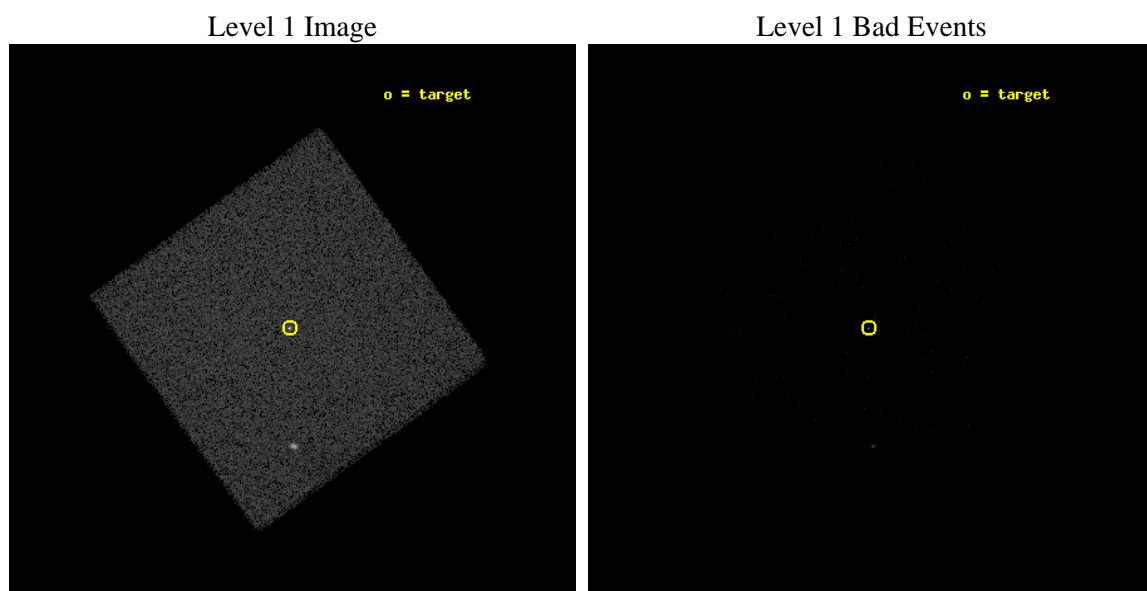
seq_num	280237	Sequence number
obs_id	1287	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.1701	Observer's specified target RA
dec_targ	45.7423	Observer's specified target Dec
ra_nom	332.16180027197	Nominal RA
dec_nom	45.743398872512	Nominal Dec
roll_nom	189.07731291352	Nominal Roll
revision	3	Processing version of data
ontime	794.63127854466	[s]
livetime	775.50060973287	Ontime multiplied by DTCOR
l2events	68530	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	8.2.1	Processing system revision	ontime	794.63127854466	[s]
caldbver	4.1.5	 	l1events	123651	Number of level 1 events
date	2010-01-12T16:02:57	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

Level 1 Events

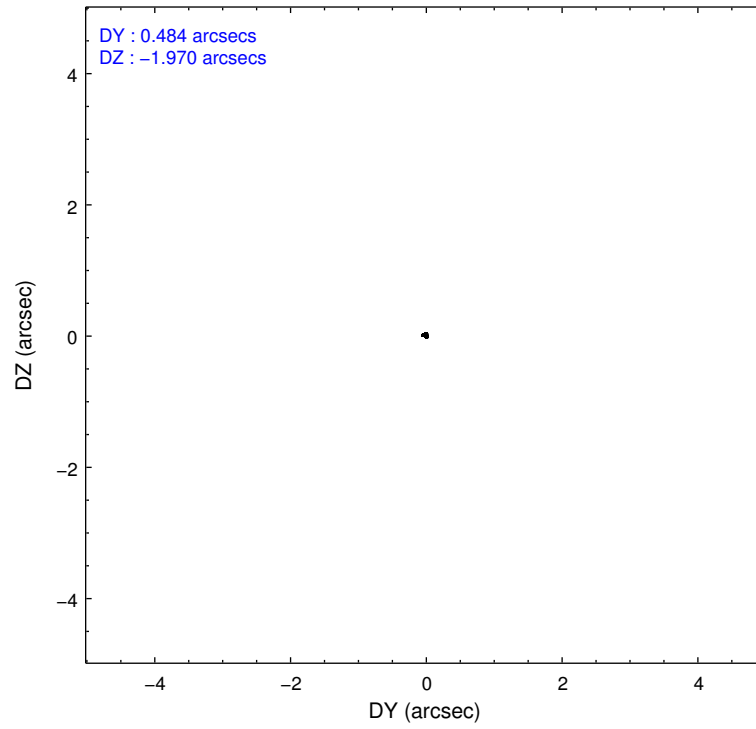
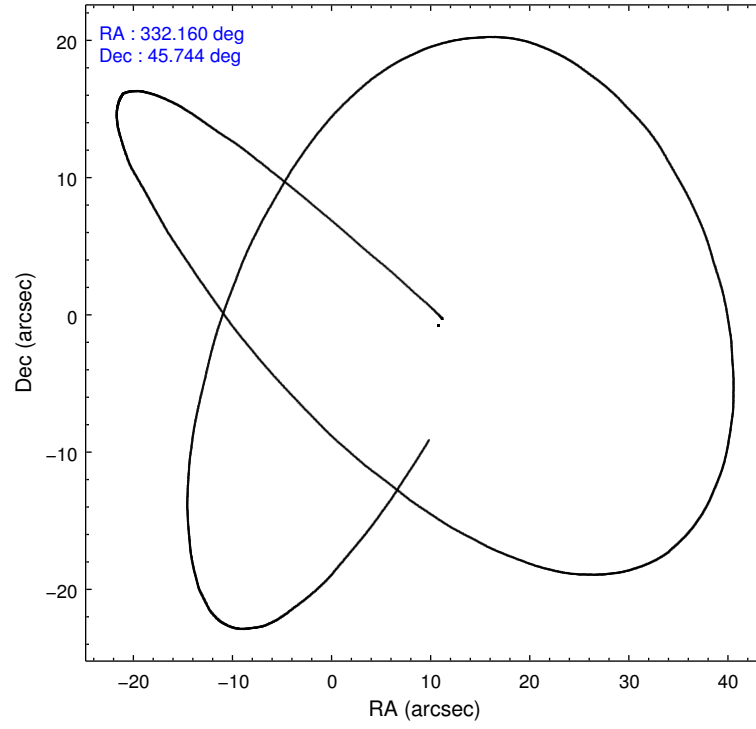
	segment 0
level 1 events	123651
rejected events	7518
rejected %	6%

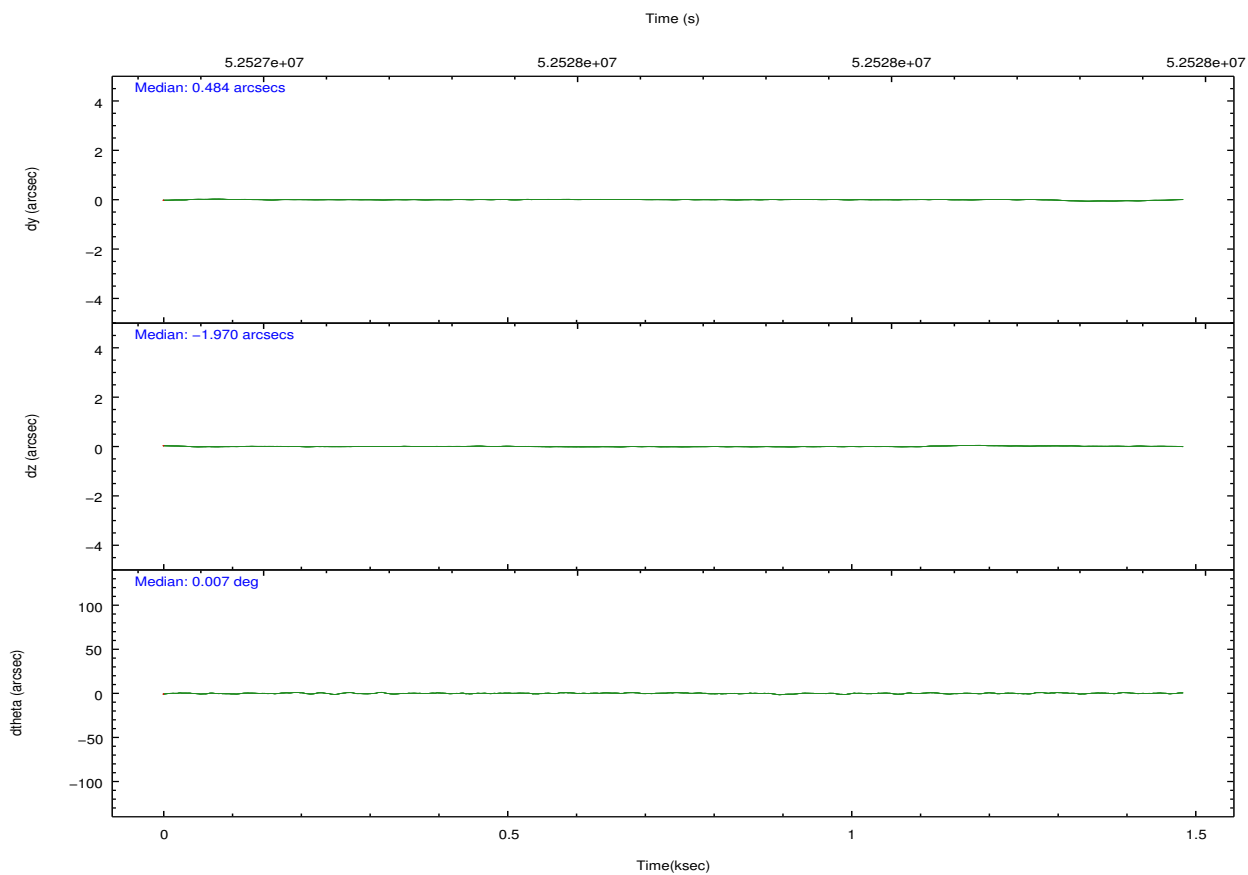
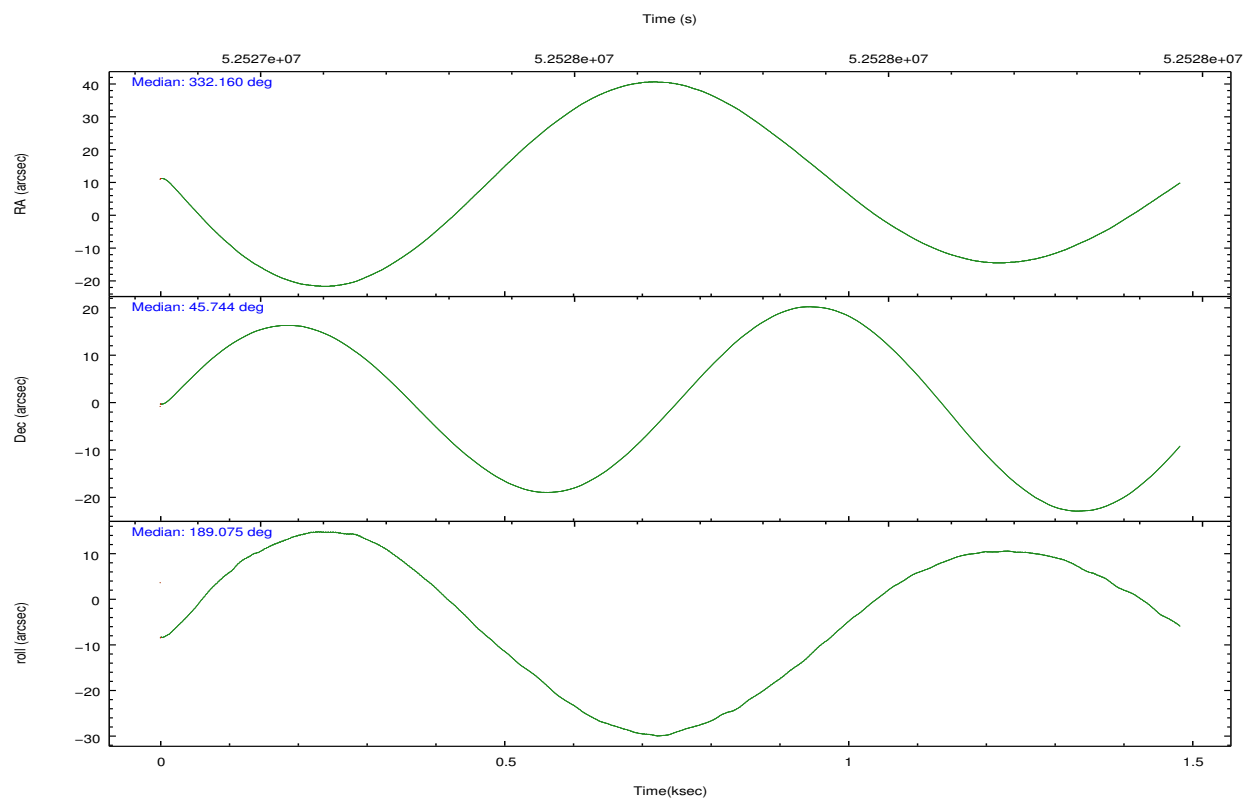
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	332.193881	332.1618002719686
Pointing Dec	45.760839	45.74339887251173
Pointing Roll	189.149827	189.0773129135173
SIM focus pos (mm)	-1.290293	-1.77558577457455
SIM defocus (mm)	-0.25	-0.7352931539156753
SIM translation stage pos (mm)	126.985494	126.9829799899862
SIM translation stage offset (mm)	0	0.002508901615314585
Observation start time	52527394.184000	52526728.337167
Observation start date	1999-08-31T22:55:30	1999-08-31T22:45:28
Observation end time	52528394.184000	52528528.237232
Observation end date	1999-08-31T23:12:10	1999-08-31T23:15:28

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



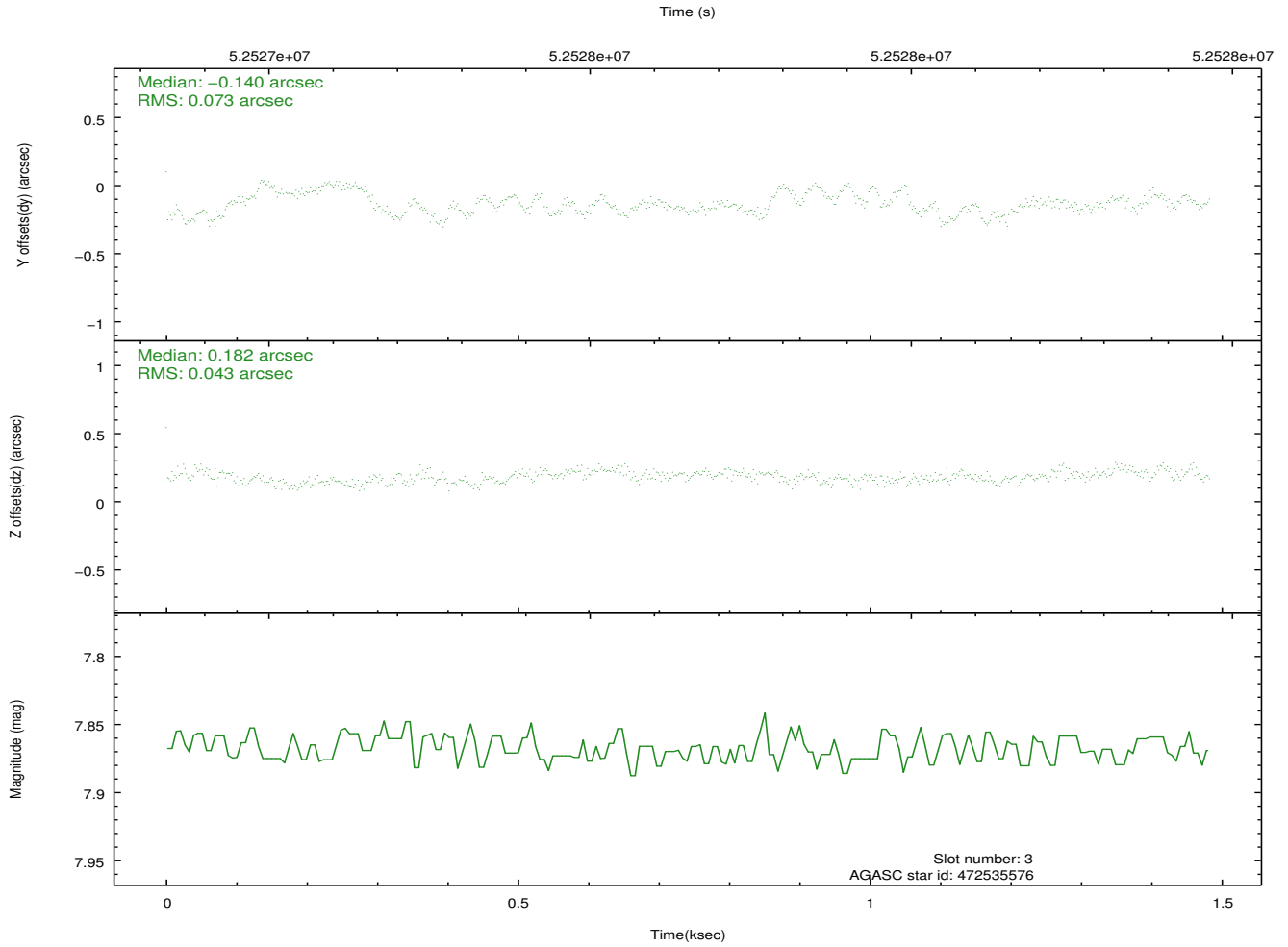
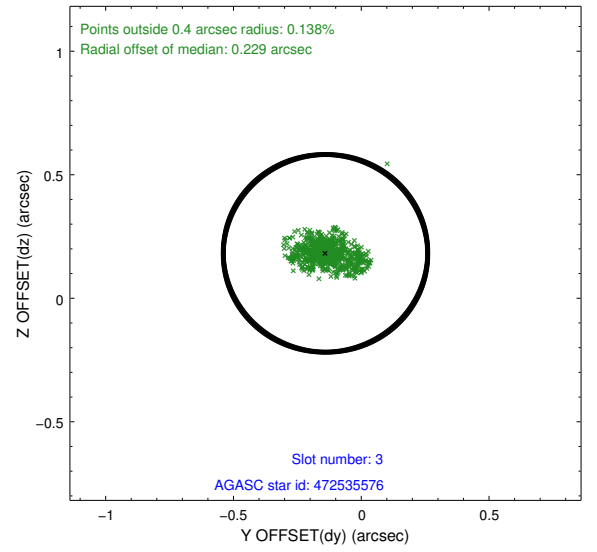
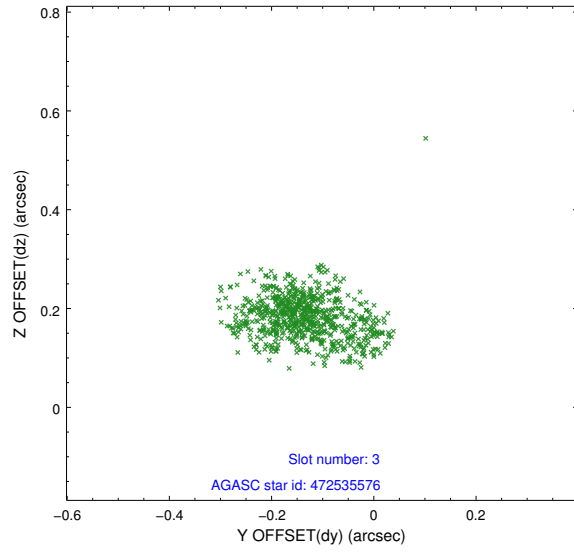


Slot Statistics

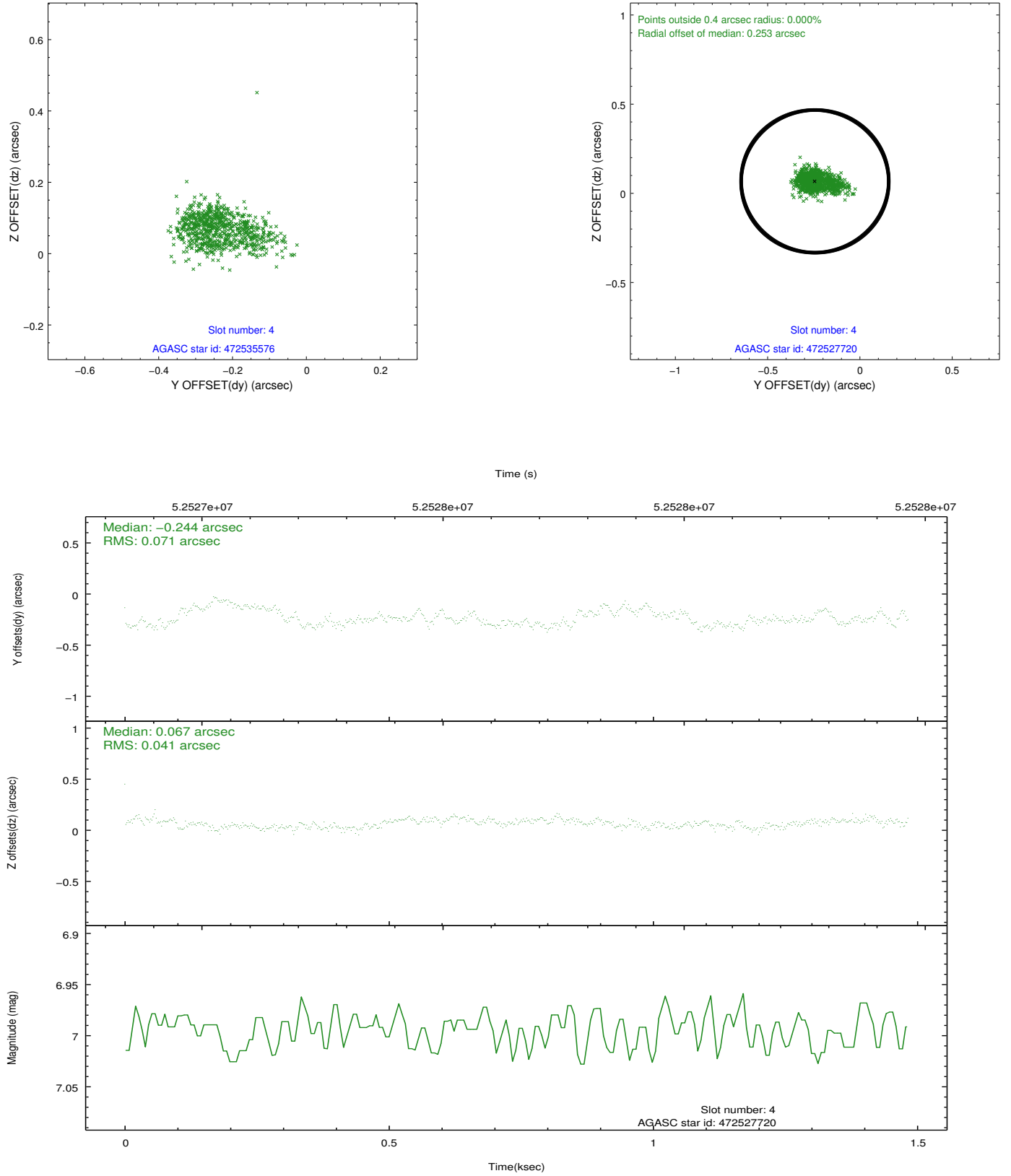
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.95	724	0.023	-0.127	0.007	0.015	0.000000	0.000000	-755.77	-1285.68
1	FID	HRC-I-3	7.03	724	0.036	0.038	0.007	0.012	0.000000	0.000000	-1185.33	1017.09
2	FID	HRC-I-4	6.97	724	0.054	-0.000	0.007	0.014	0.000000	0.000000	1285.20	1017.92
3	GUIDE	472535576	7.87	724	-0.140	0.182	0.090	0.149	331.438373	46.291802	1545.29	-2194.43
4	GUIDE	472527720	6.99	724	-0.244	0.067	0.082	0.144	331.460205	45.112509	2207.08	1996.84
5	GUIDE	472665256	9.02	722	0.029	-0.122	0.086	0.141	332.808125	46.195041	-1762.39	-1303.01
6	GUIDE	472659832	9.46	722	-0.030	-0.058	0.098	0.158	332.780399	46.098139	-1646.71	-973.16
7	BAD	472654568	9.48	524	0.495	-0.099	0.158	0.232	332.194449	45.063576	389.93	2469.87

2.4 Star Slots

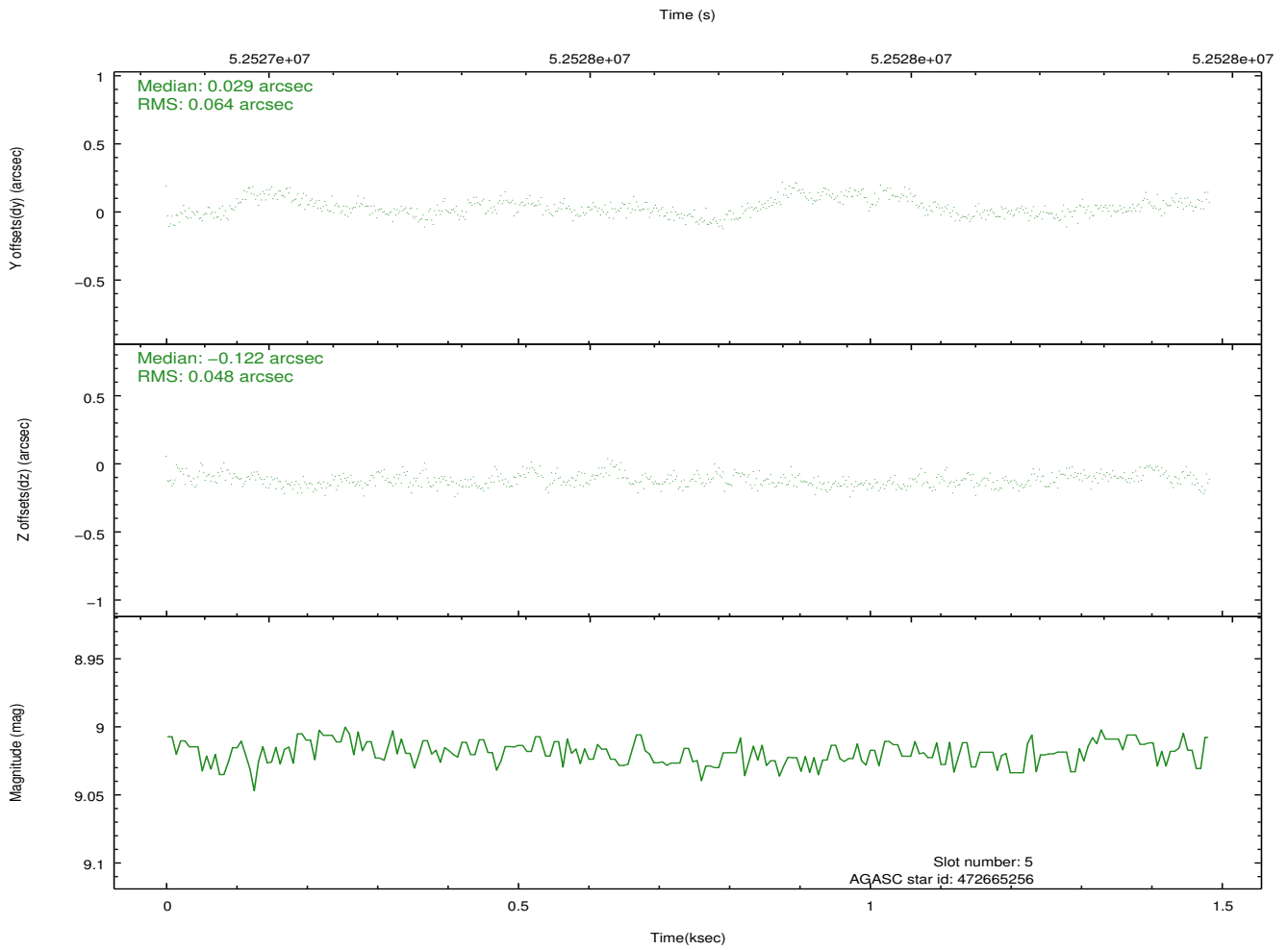
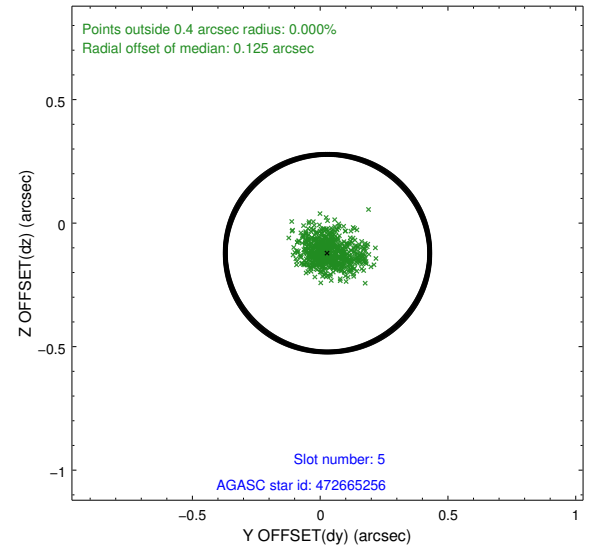
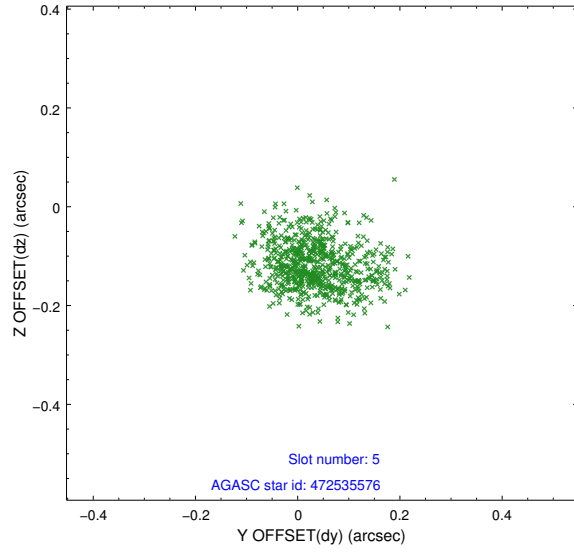
2.4.1 Slot 3



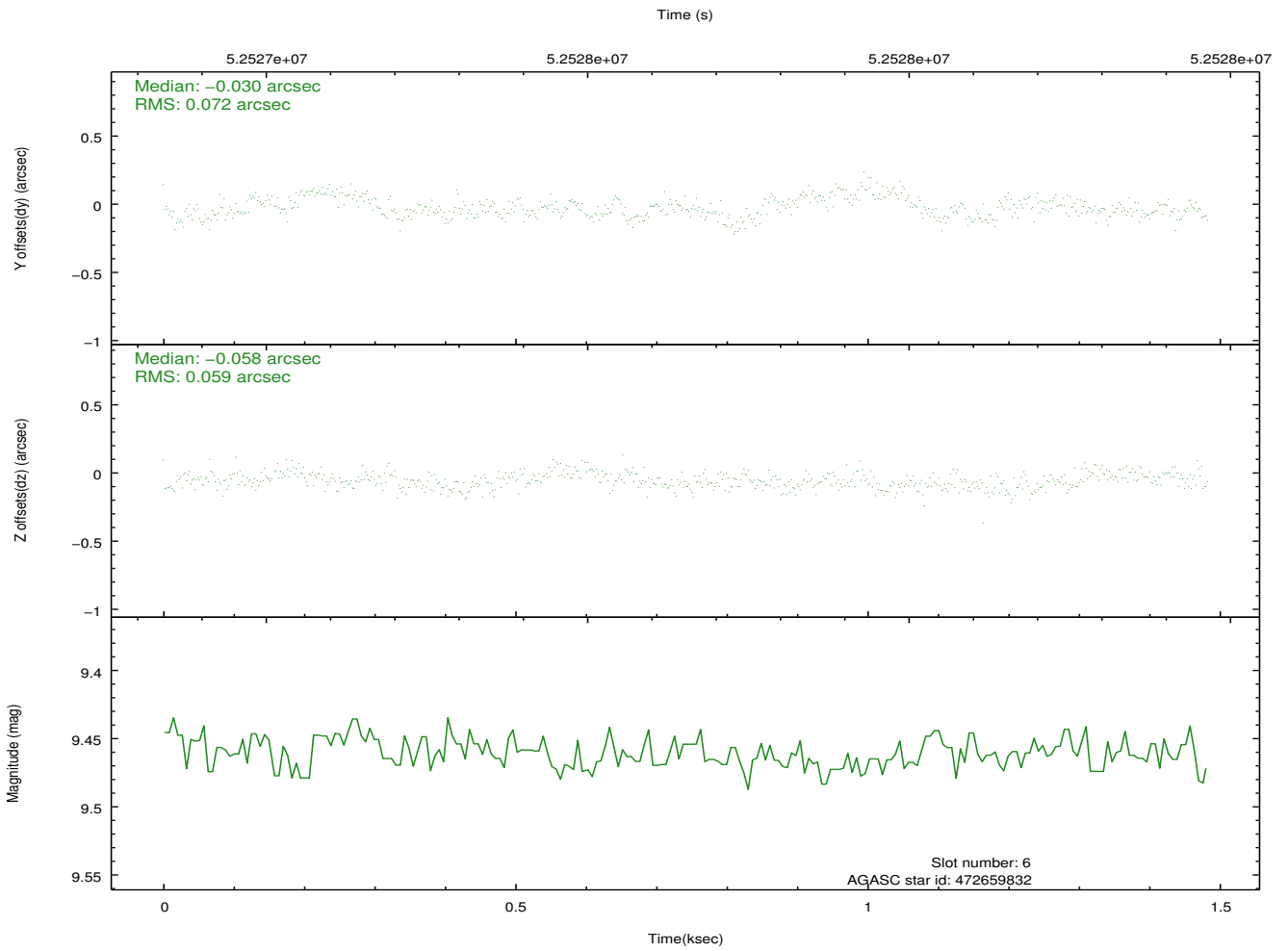
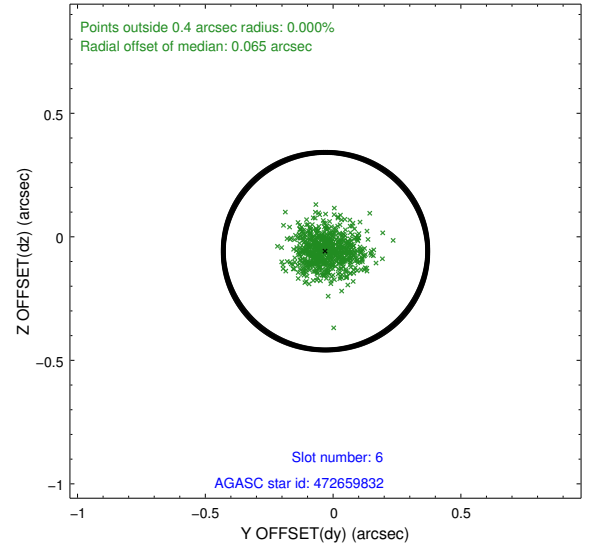
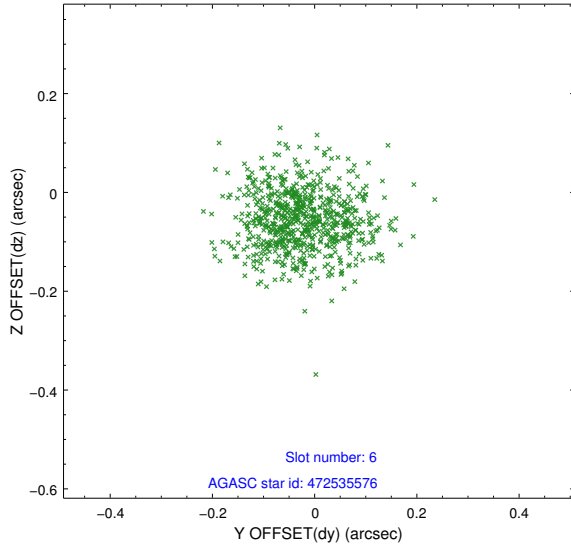
2.4.2 Slot 4



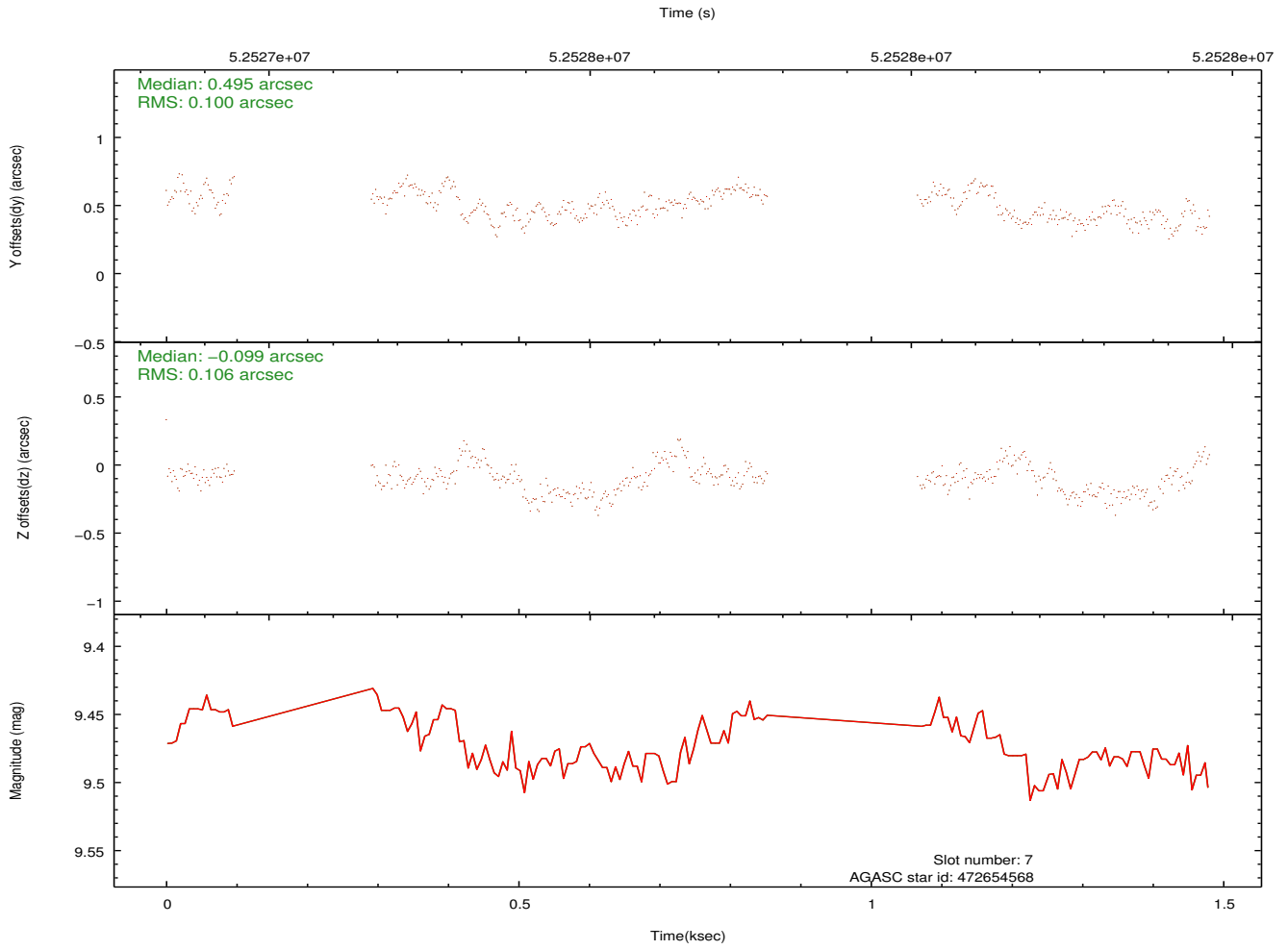
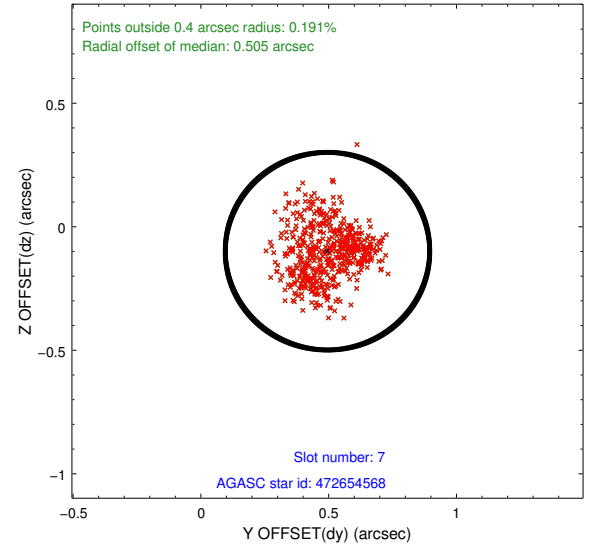
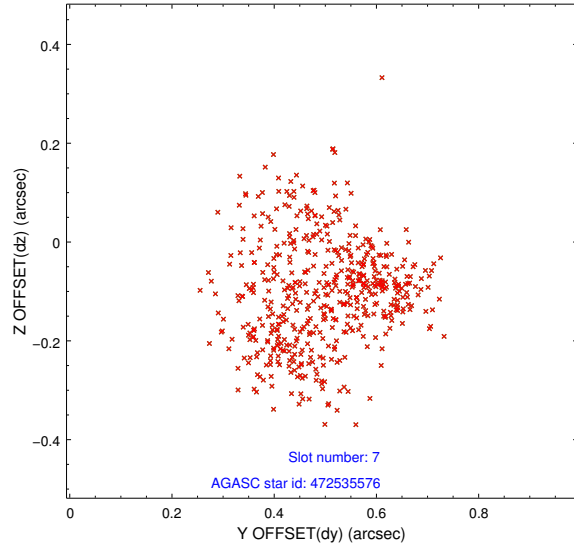
2.4.3 Slot 5



2.4.4 Slot 6

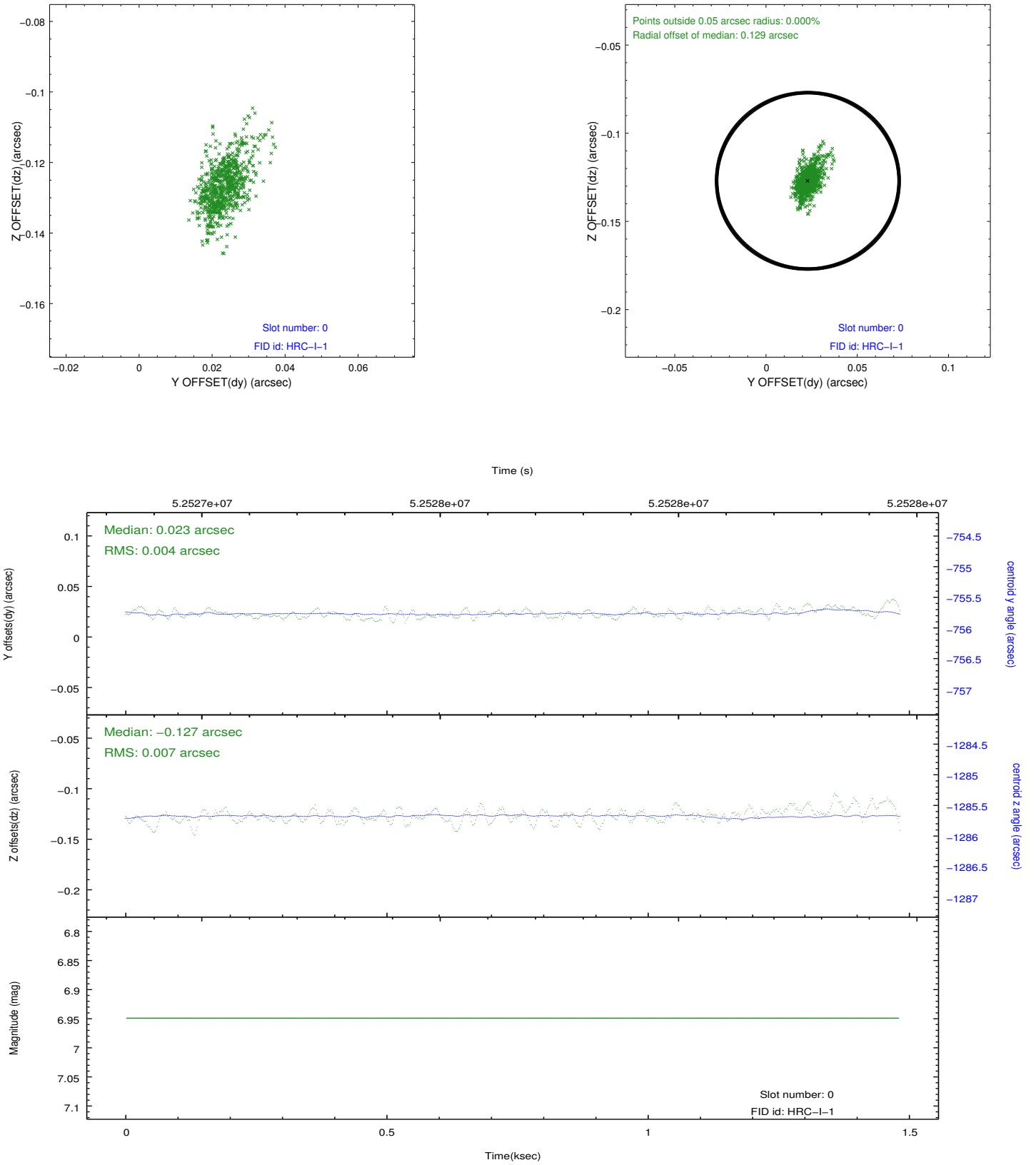


2.4.5 Slot 7

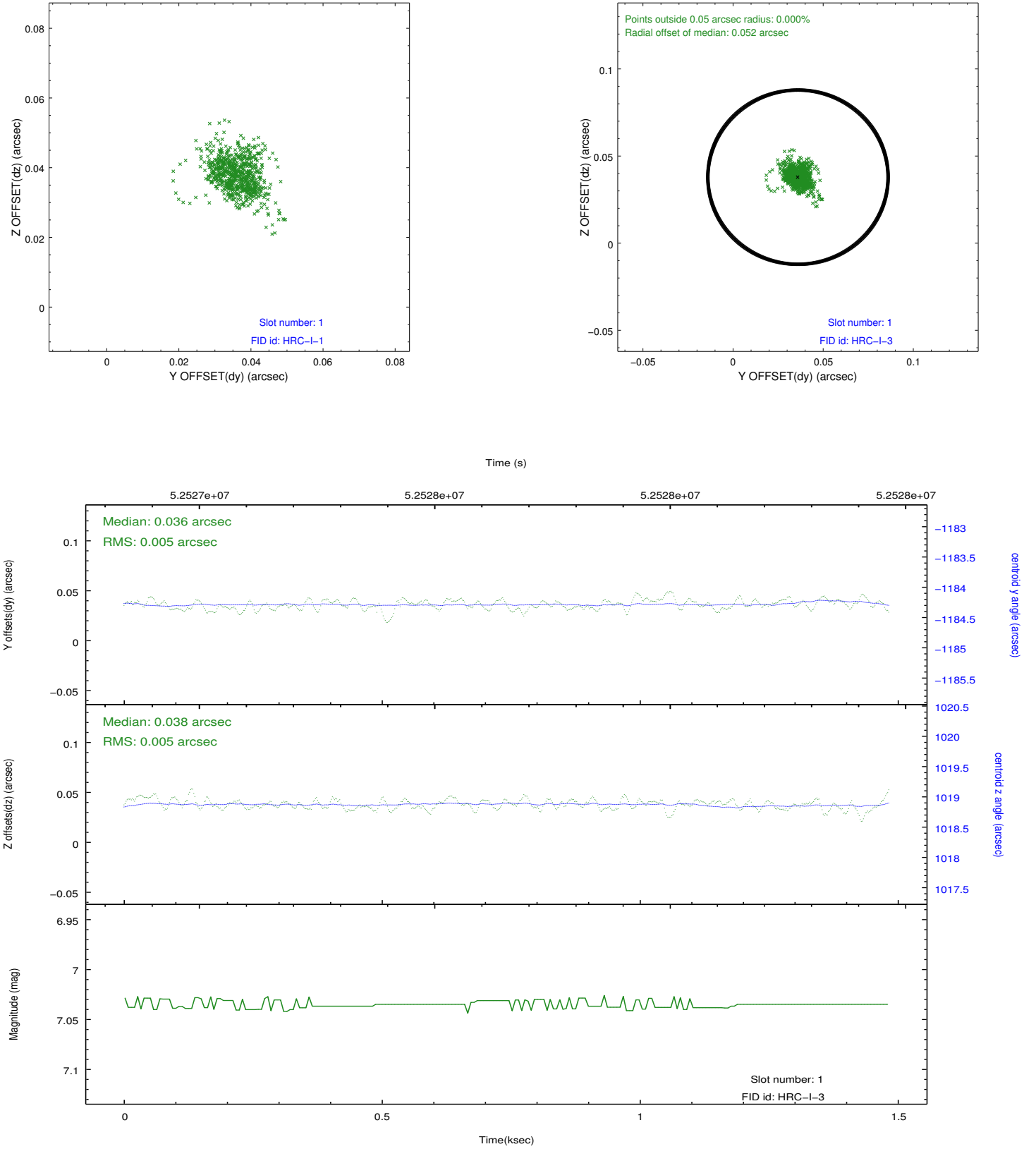


2.5 FID Slots

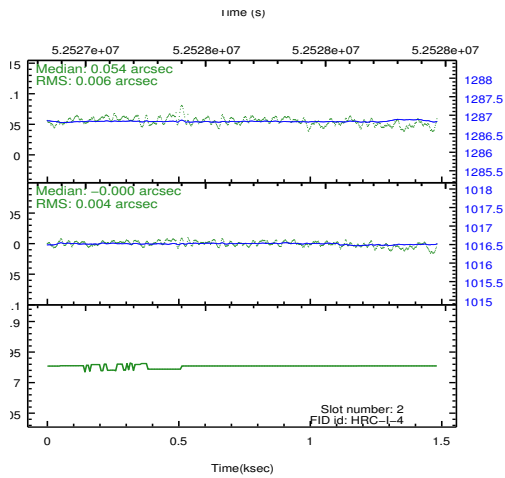
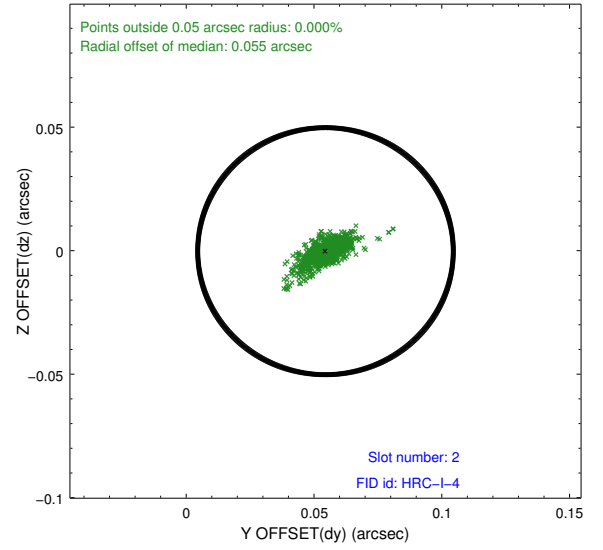
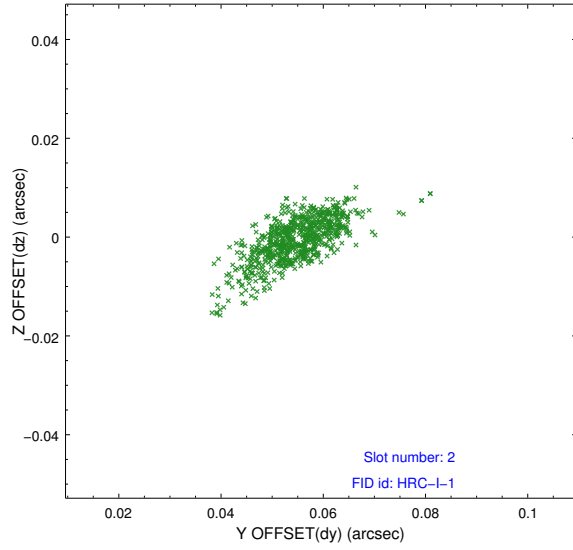
2.5.1 Slot 0



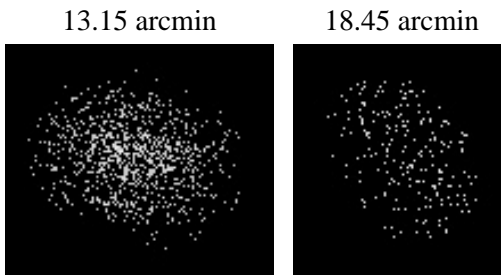
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.01.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.794

A.2 Comments

HRC-I series of focus observations around the revied focus. HRC using manual commanding to revised focus position (-1240) while maneuvering for the observation

=====

The guide star in slot 7 was removed from the aspect solution due to poor data quality. The aspect solution is not expected to be degraded by removing one fid light or guide star from the solution.