

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1550 - L2 Version 4
Chandra X-Ray Center

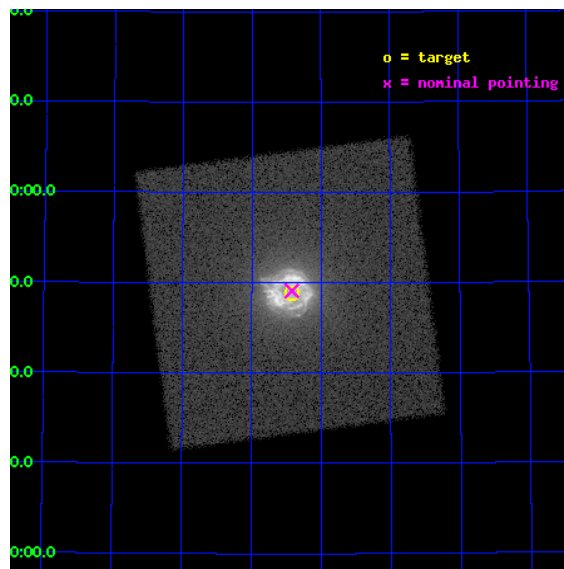
L2 Processing Date : Sep 20 2012

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1 Front

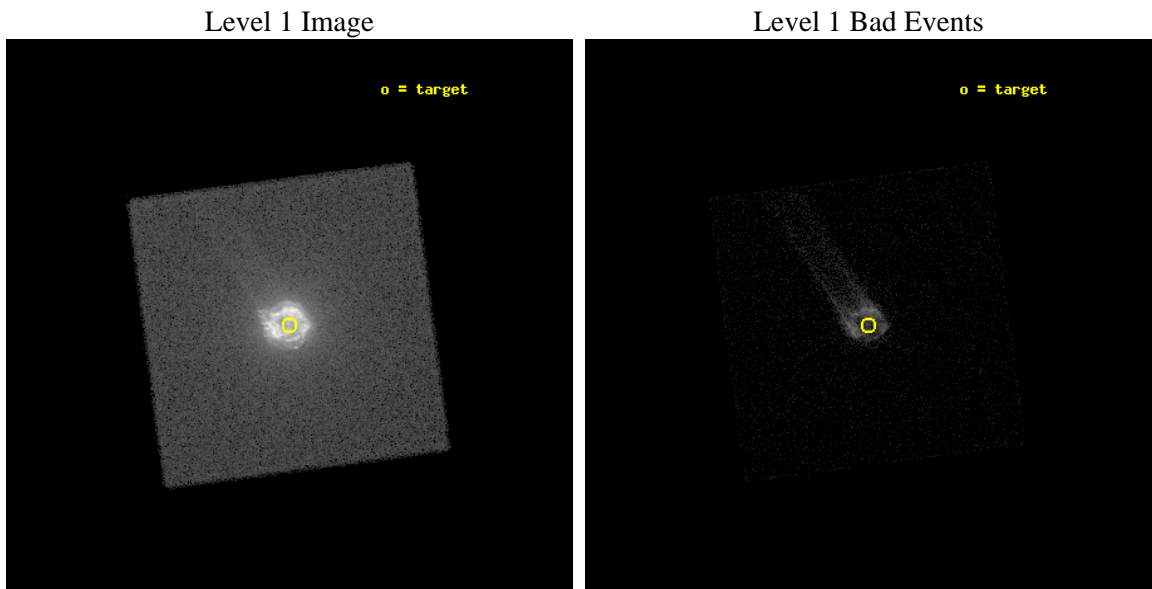
seq_num	590159	Sequence number
obs_id	1550	Observation id
title	CALIBRATION OBSERVATIONS OF THE STANDARD CANDLE CAS A	Proposal tit
observer	Dr. CXC Calibration	Principal investigator
object	CAS A [HRC-I, Offsets=0,0,0 HRC-I, AO2B]	Source name
ra_targ	350.8575	Observer's specified target RA [deg]
dec_targ	58.814833	Observer's specified target Dec [deg]
ra_nom	350.85539093089	Nominal RA [deg]
dec_nom	58.818674511829	Nominal Dec [deg]
roll_nom	127.55904060675	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4871.056440562	[s]
livetime	4813.1243756744	Ontime multiplied by DTCOR
l2events	561071	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	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4871.056440562	[s]
caldbver	4.5.1.1	 	l1events	706796	Number of level 1 events
date	2012-09-20T04:59:06	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

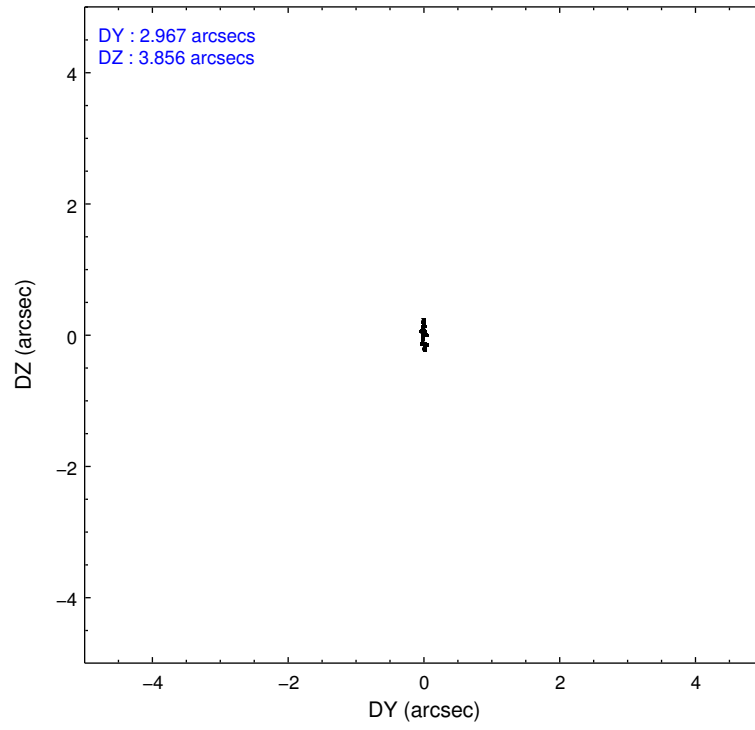
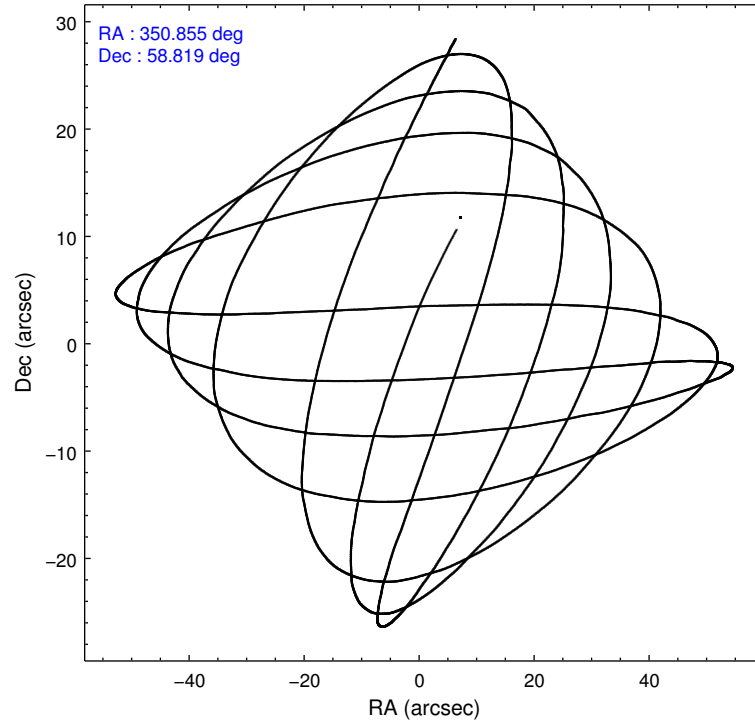
Level 1 Events

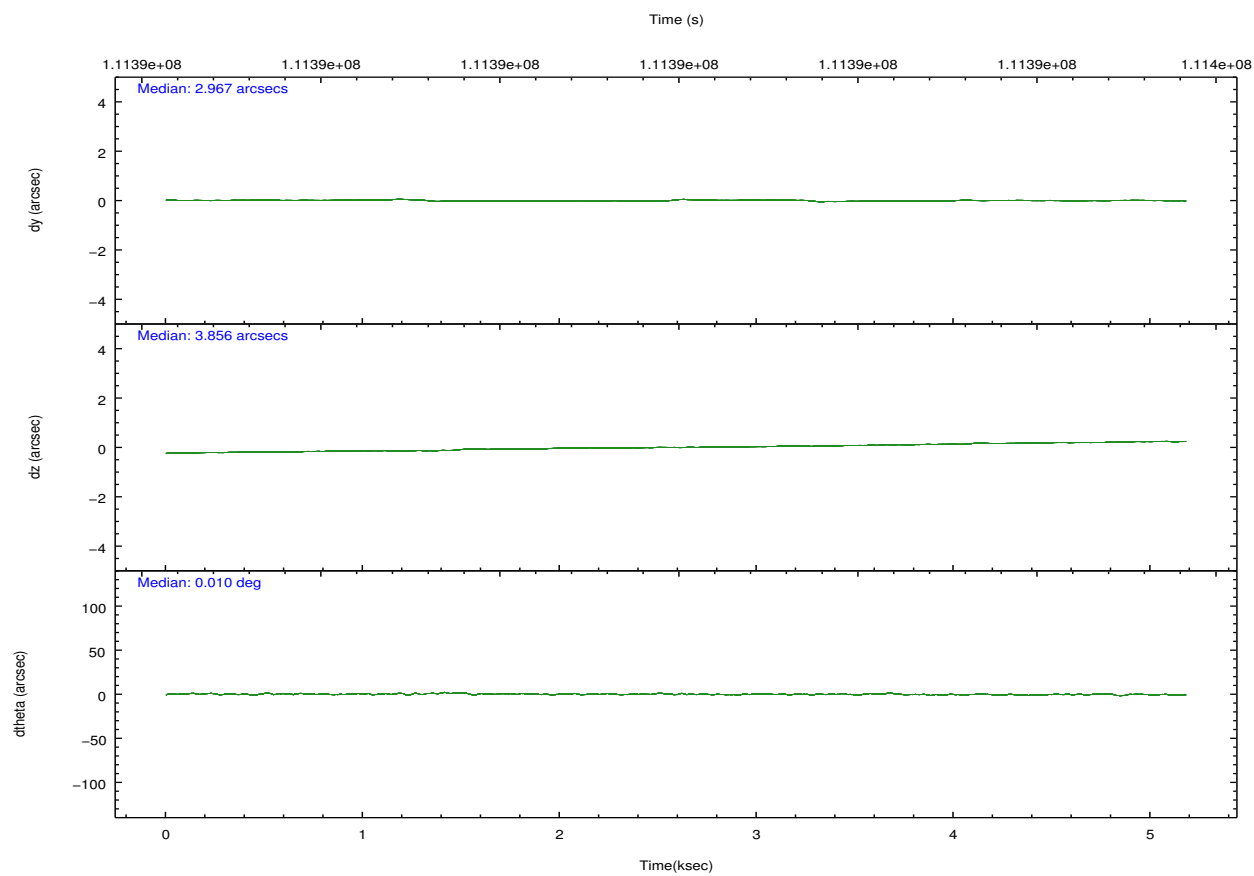
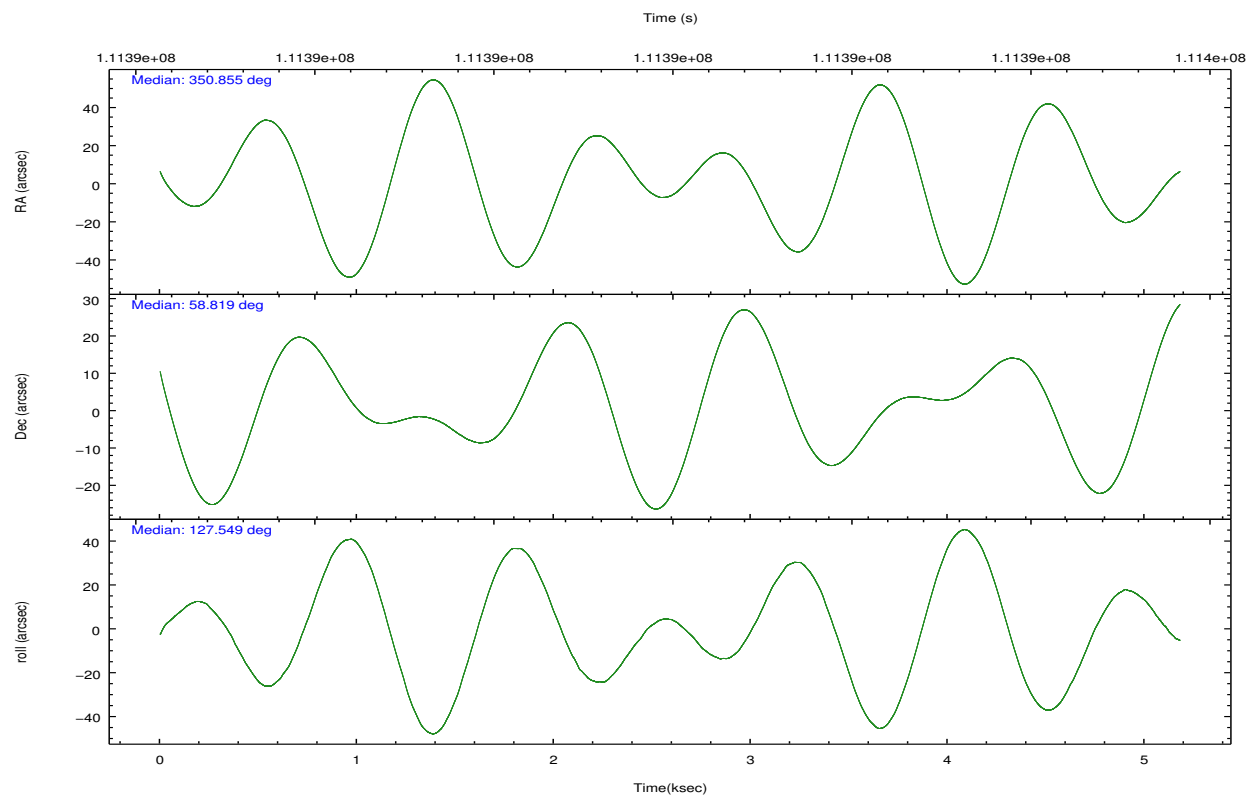
	segment 0
level 1 events	706796
rejected events	42655
rejected %	6%

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	350.904257	350.8553909308883			
[deg] Pointing Dec	58.809102	58.81867451182892			
[deg] Pointing Roll	127.612732	127.5590406067544			
[s] Window start time (MET)	110332864.184000	110332864.184000			
[s] Window stop time (MET)	112838464.184000	112838464.184000			
[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)	111389575.184000	111389163.18548			
Observation start date	2001-07-13T05:31:51	2001-07-13T05:26:03			
[s] Observation end time (MET)	111394575.184000	111395263.47321			
Observation end date	2001-07-13T06:55:11	2001-07-13T07:07:43			

2.3 Aspect



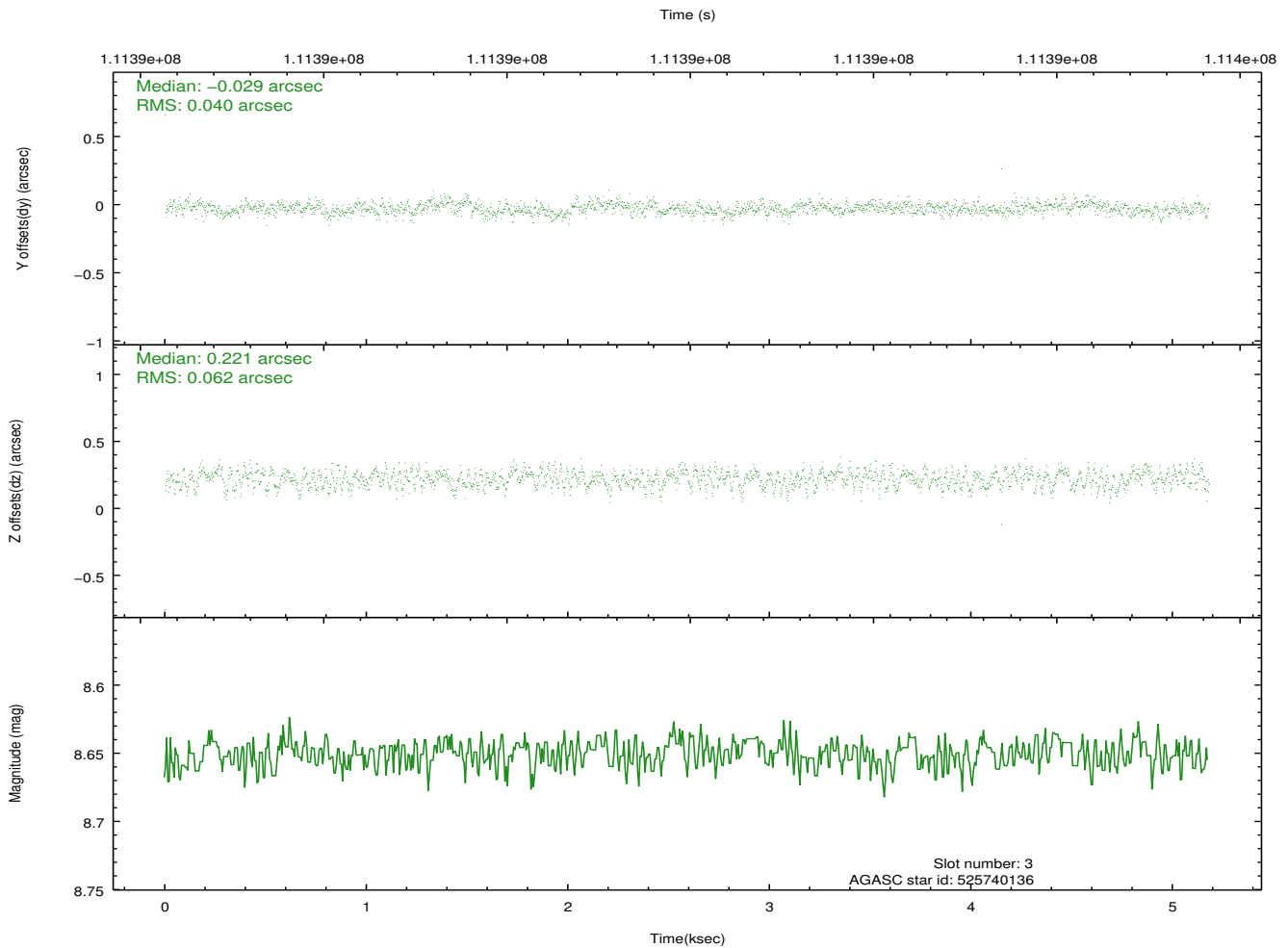
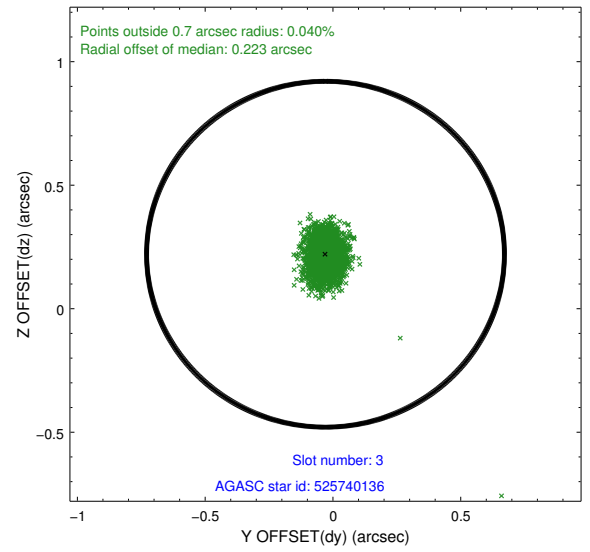
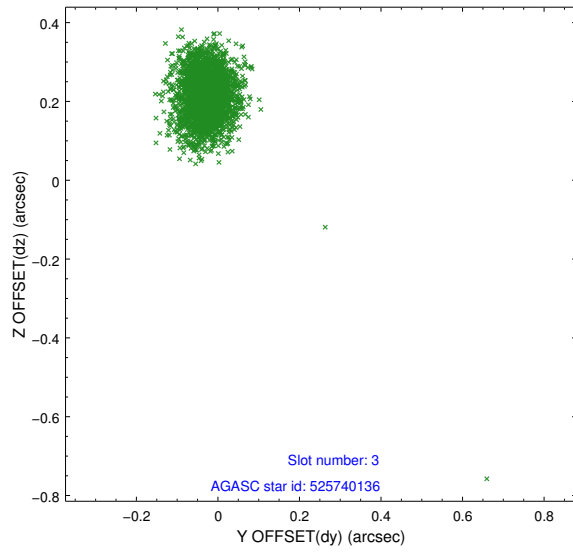


Slot Statistics

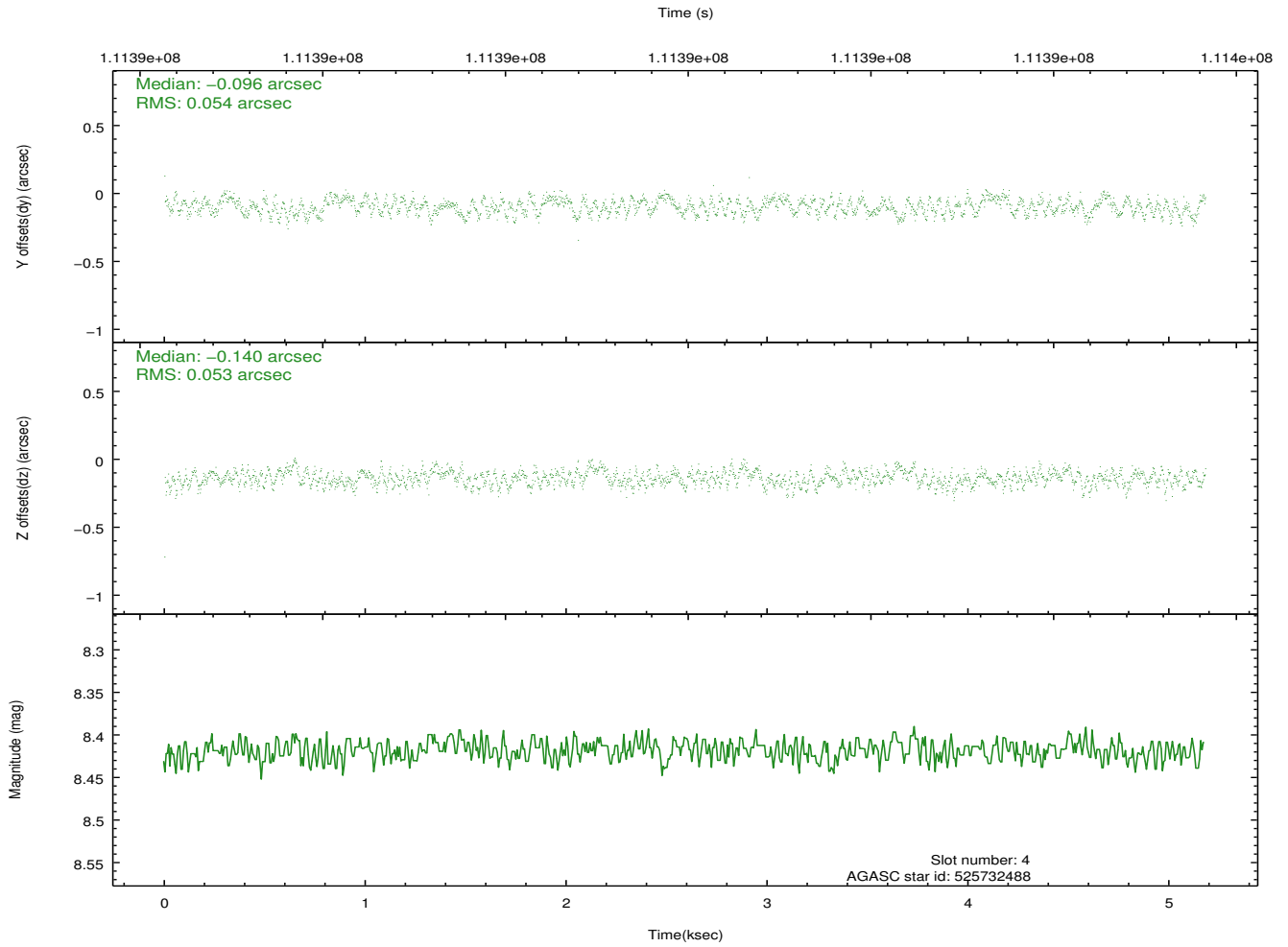
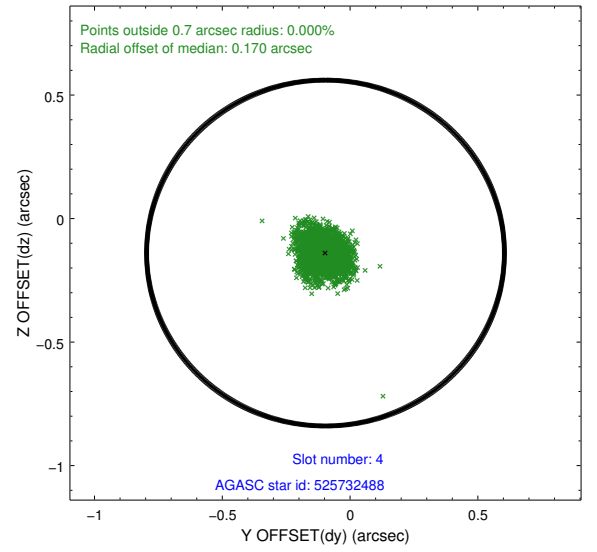
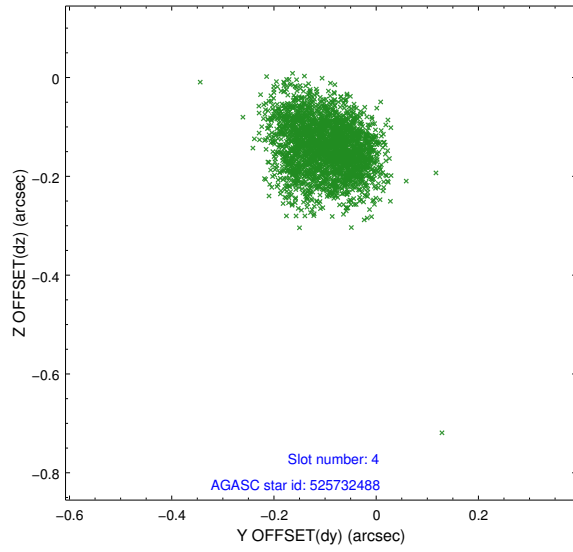
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	1264	0.063	0.059	0.008	0.014	0.000000	0.000000	-758.42	-1291.53
1	FID	HRC-I-3	7.04	1264	0.006	-0.078	0.010	0.017	0.000000	0.000000	-1187.50	1011.88
2	FID	HRC-I-4	6.99	1264	0.046	-0.069	0.006	0.012	0.000000	0.000000	1283.48	1011.25
3	GUIDE	525740136	8.65	2528	-0.029	0.221	0.075	0.122	352.585881	58.767876	-2001.10	-2420.07
4	GUIDE	525732488	8.42	2527	-0.096	-0.140	0.081	0.126	350.087090	58.516915	111.12	1852.02
5	GUIDE	525735976	8.89	2527	0.054	-0.320	0.089	0.139	350.142956	58.277622	-629.47	2304.48
6	GUIDE	525736400	9.07	2528	0.030	0.058	0.072	0.117	350.974563	59.175145	965.23	-906.02
7	GUIDE	525732528	9.36	2526	0.036	0.182	0.105	0.165	351.607241	59.298932	615.01	-2104.11

2.4 Star Slots

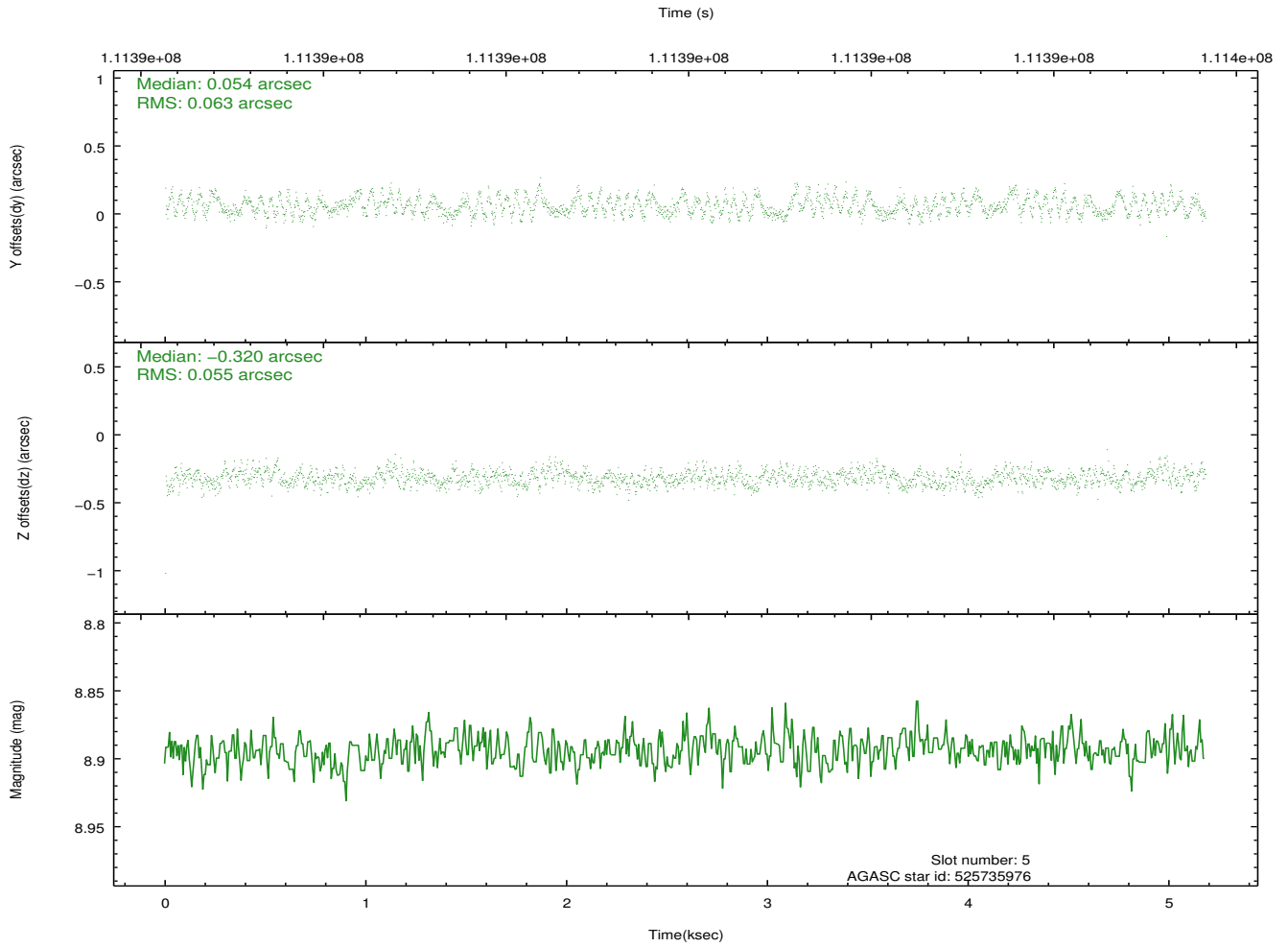
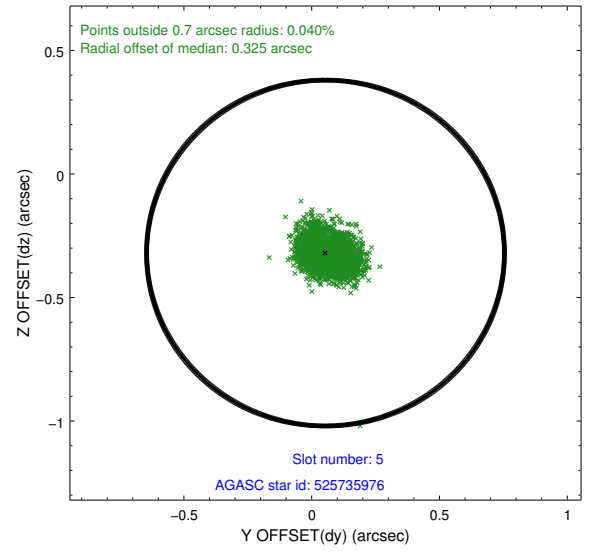
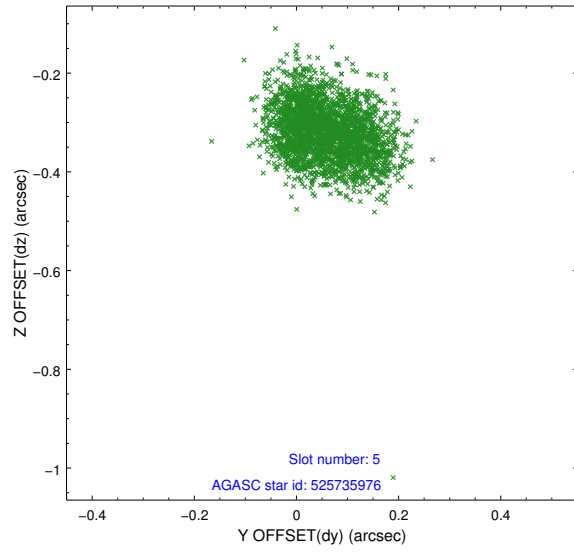
2.4.1 Slot 3



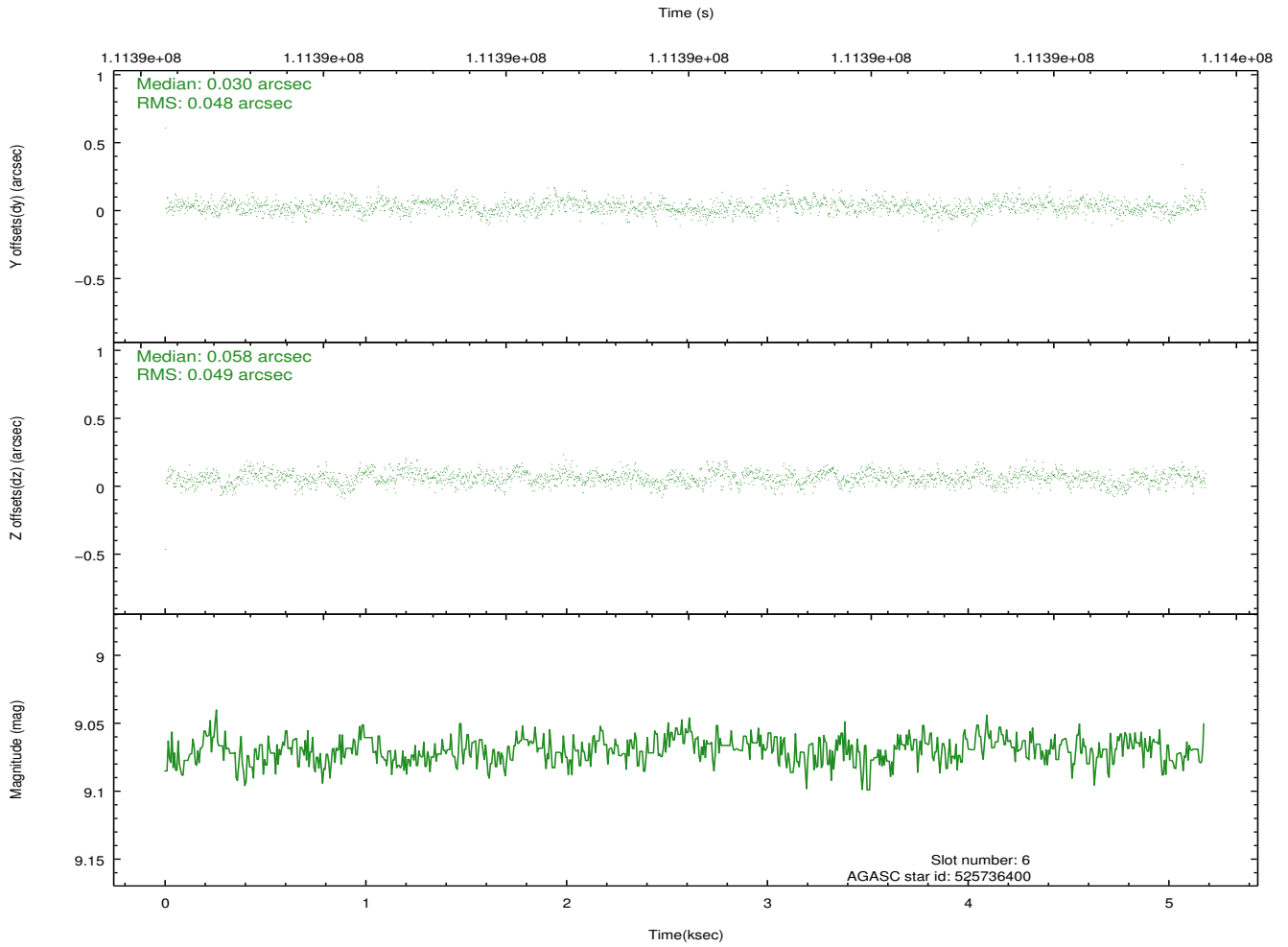
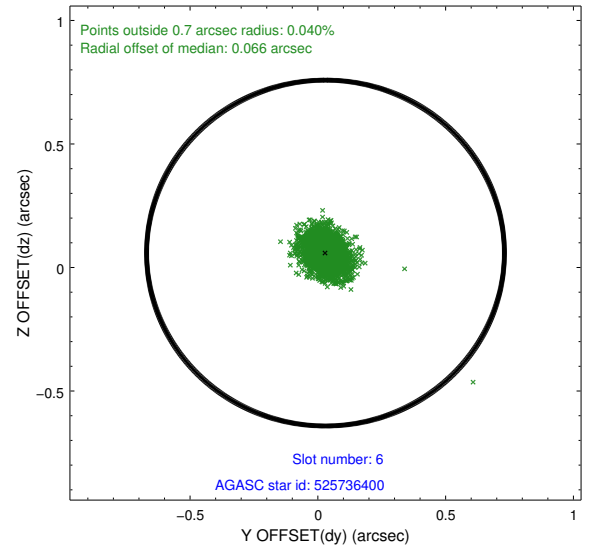
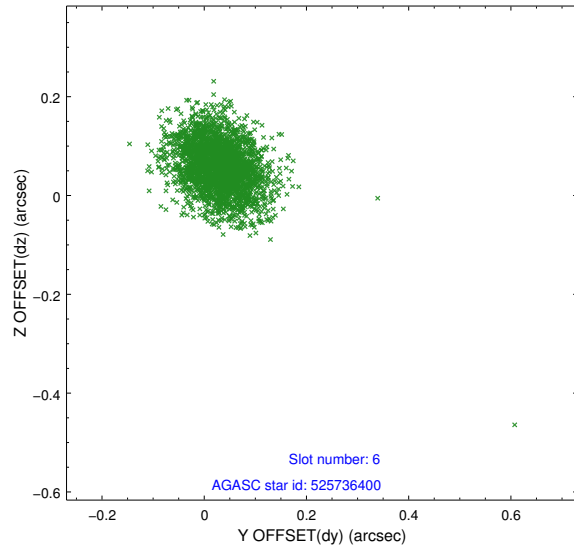
2.4.2 Slot 4



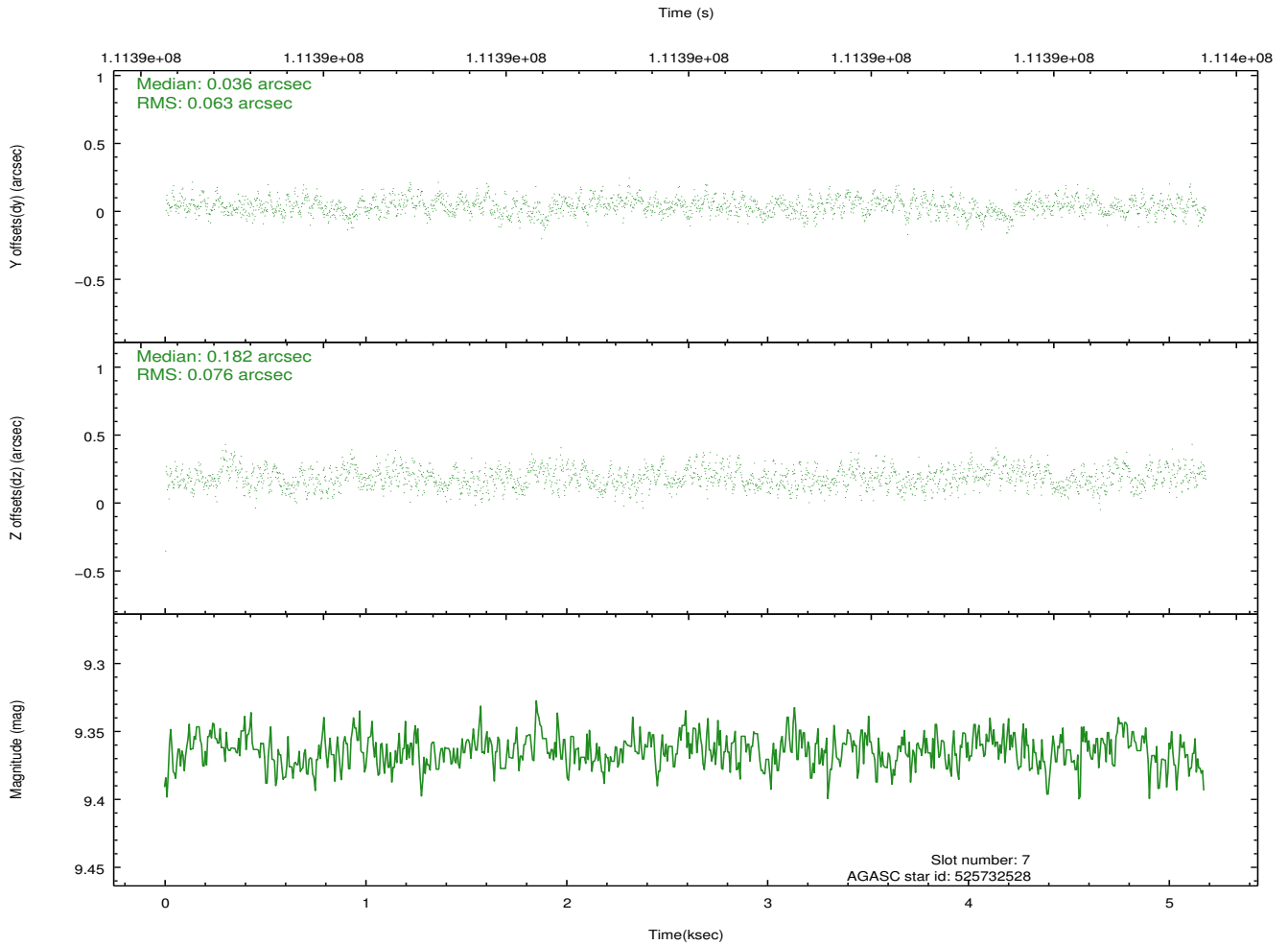
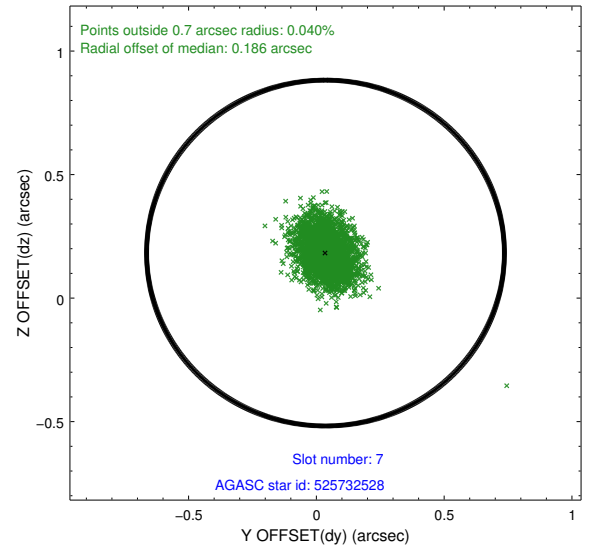
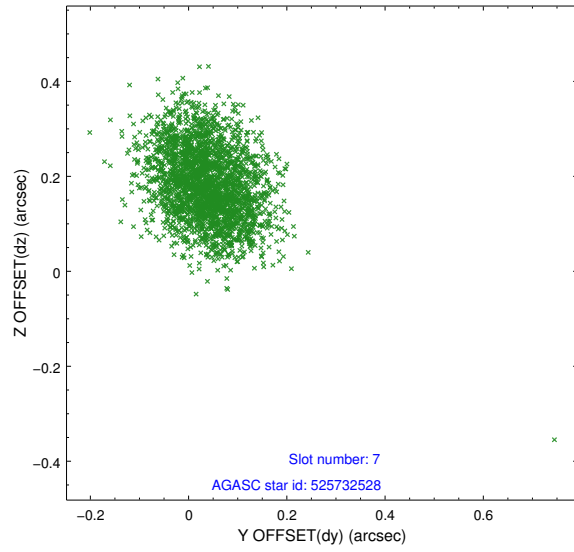
2.4.3 Slot 5



2.4.4 Slot 6

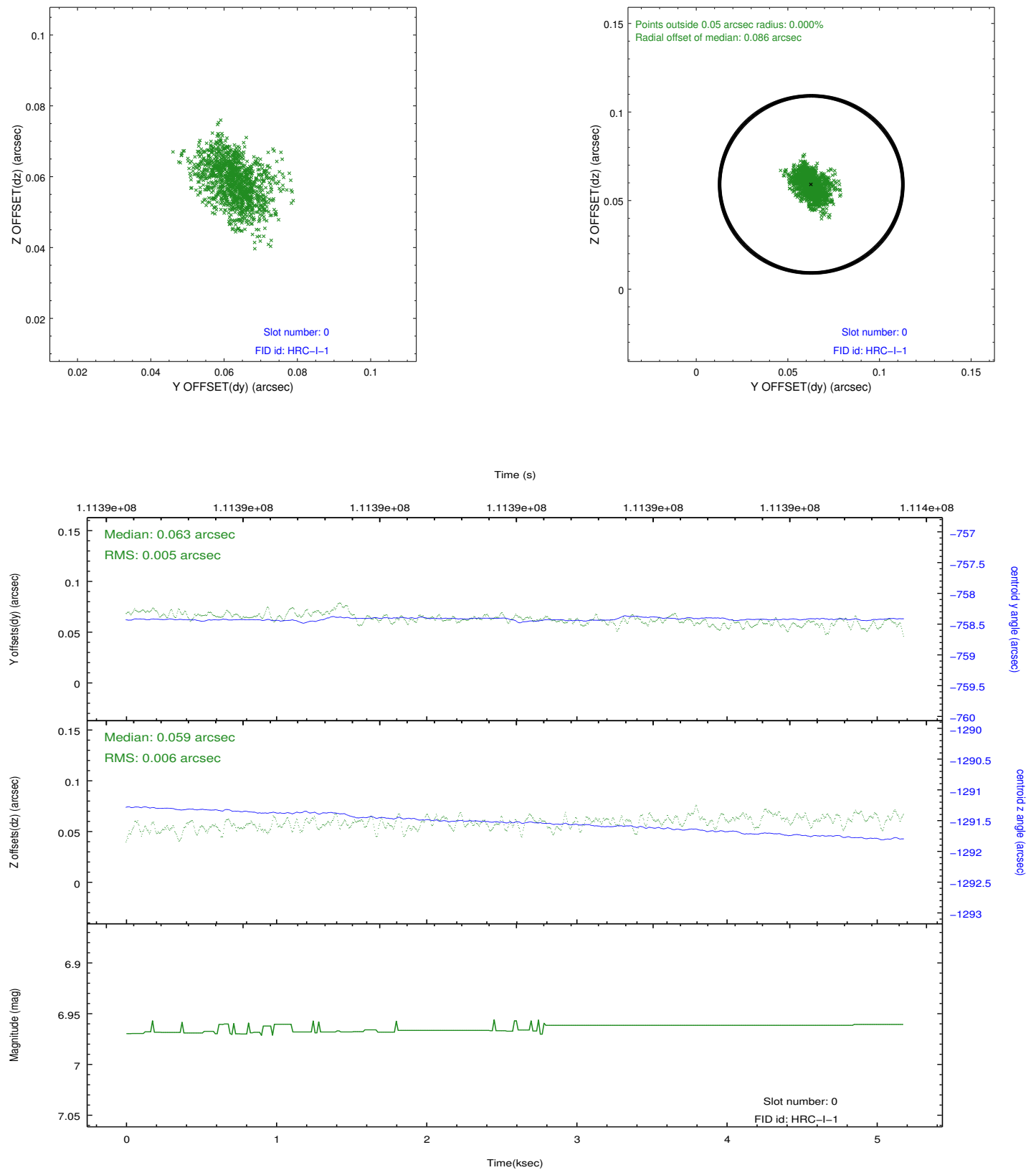


2.4.5 Slot 7

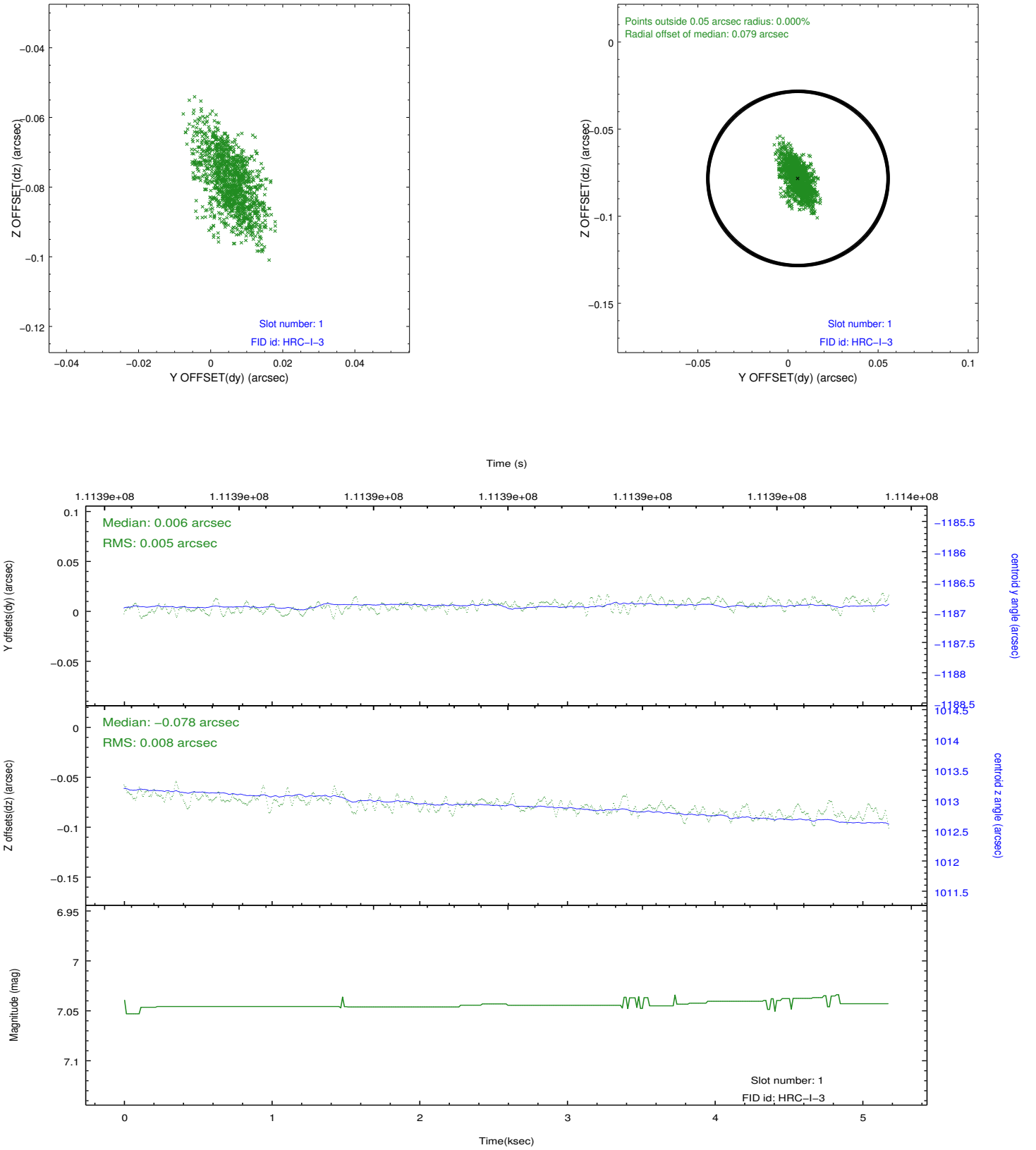


2.5 FID Slots

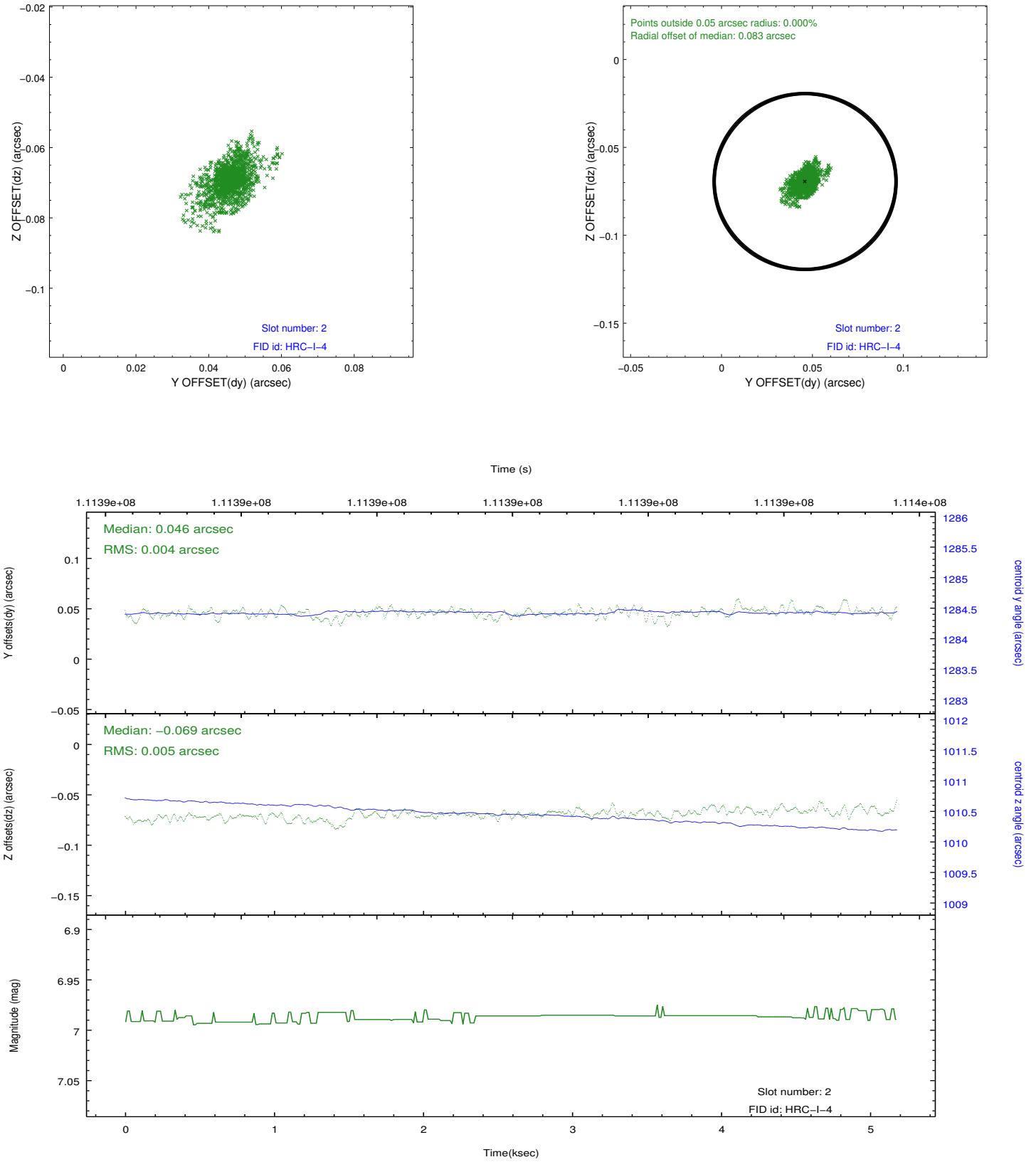
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.871

A.2 Comments

Window constraint met.