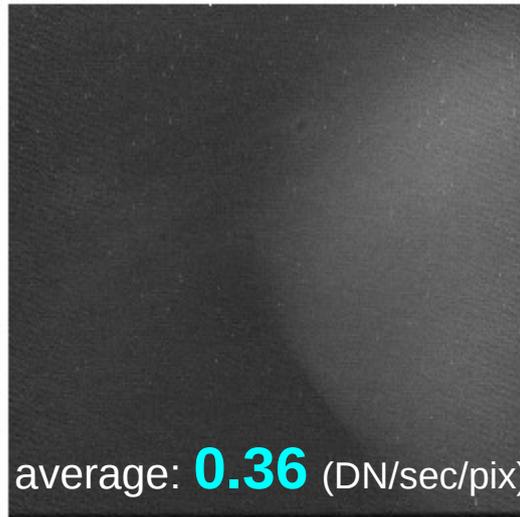
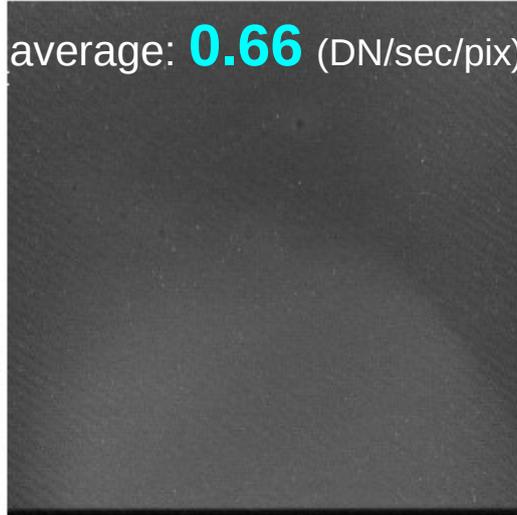


Alpoly/Open Abnormal Stray Light Level around West Limb Pointing

Keiji Yoshimura (MSU)

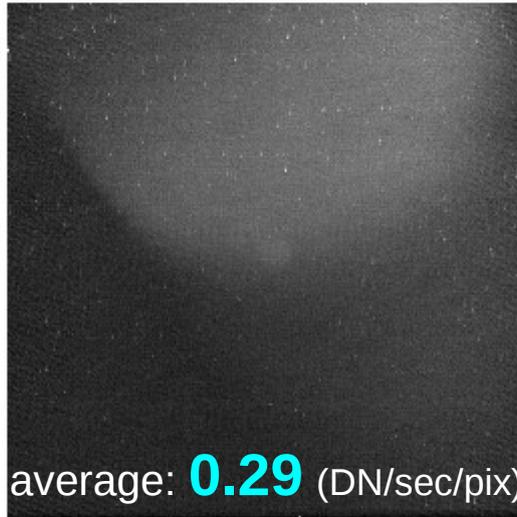
North (-27", 885")

average: **0.66** (DN/sec/pix)



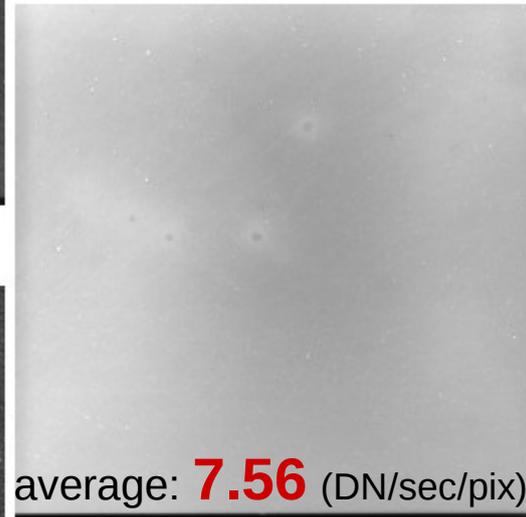
average: **0.36** (DN/sec/pix)

East (-991", 12")



average: **0.29** (DN/sec/pix)

South (-15", -918")

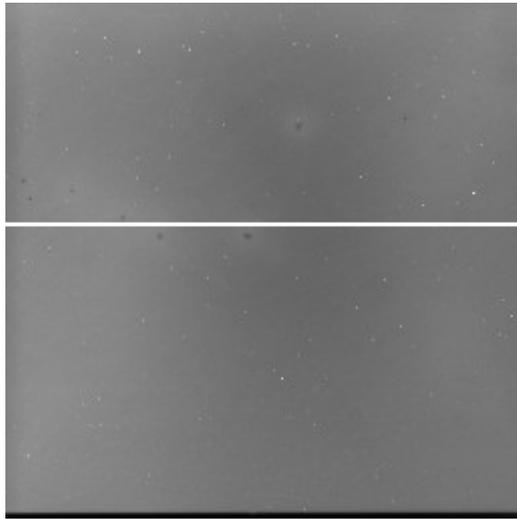


average: **7.56** (DN/sec/pix)

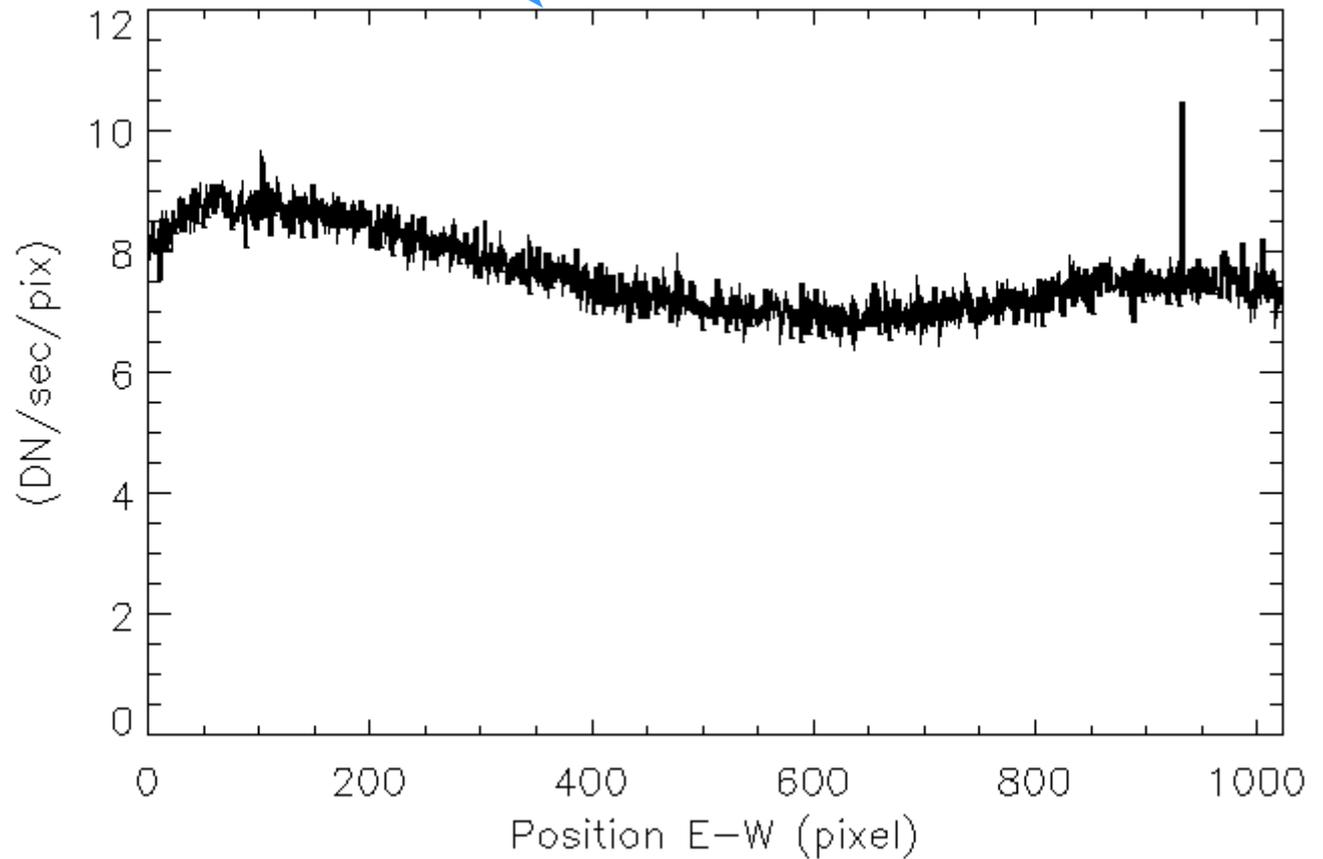
West (890", 19")

From stray light measurements in July, 2017 (phase-3)

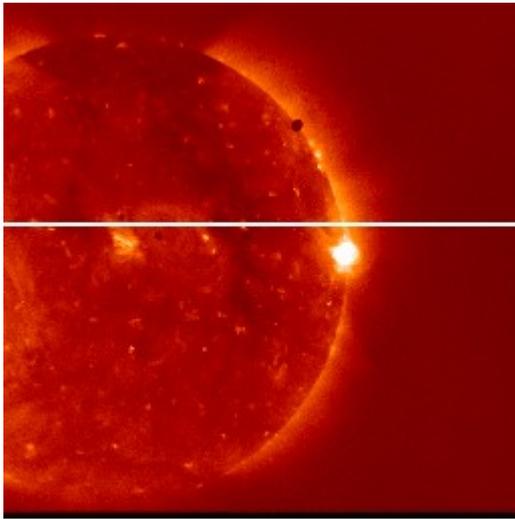
Stray light pattern of Alpoly/Open at west-limb pointing (890", 19")



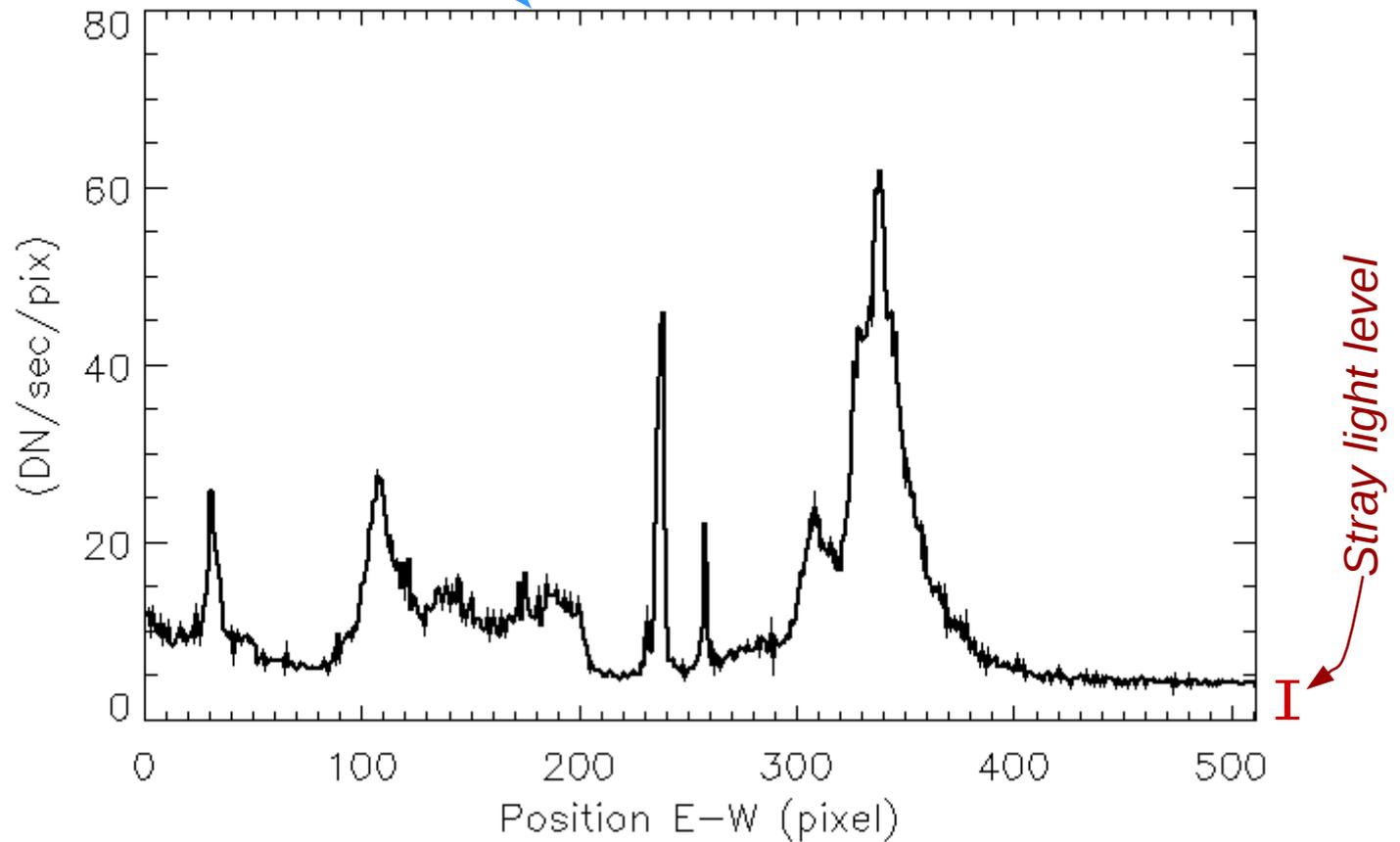
2017/07/27 17:23:58
(Alpoly/Open)



Sample of Alpoly/Open data at west-limb pointing (603", 30")

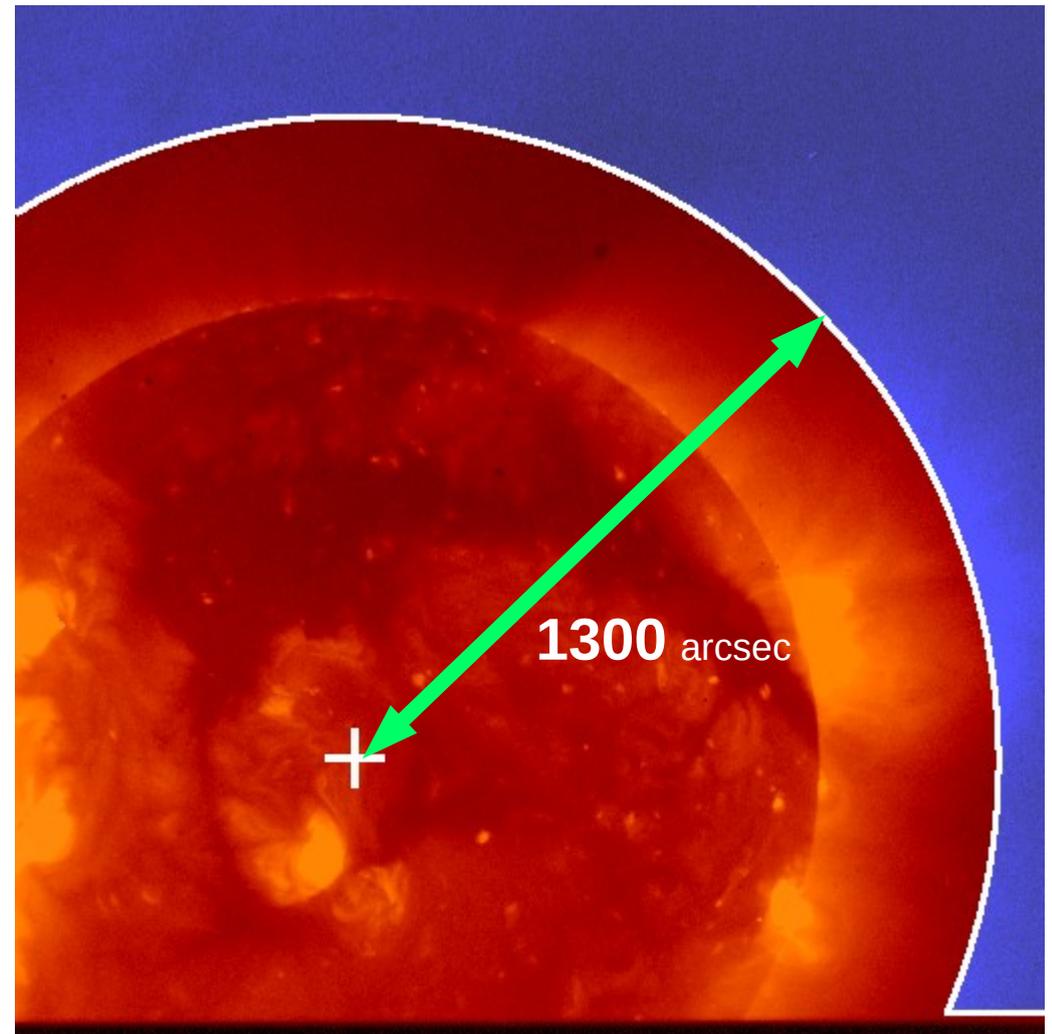


2017/08/04 13:33:37
(Alpoly/Open)



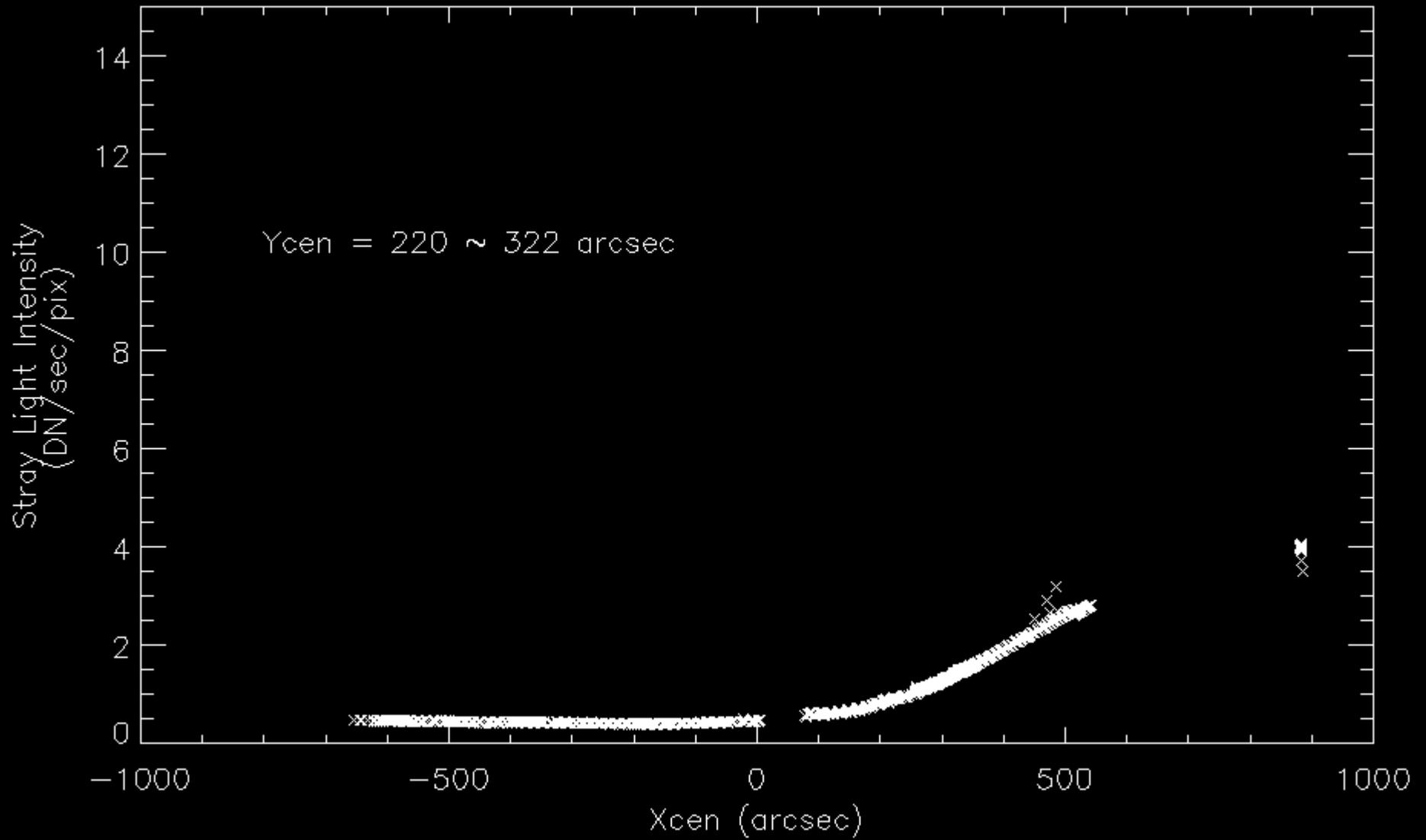
Method

to check the pointing dependency of the stray light levels in Alpoly/Open observation



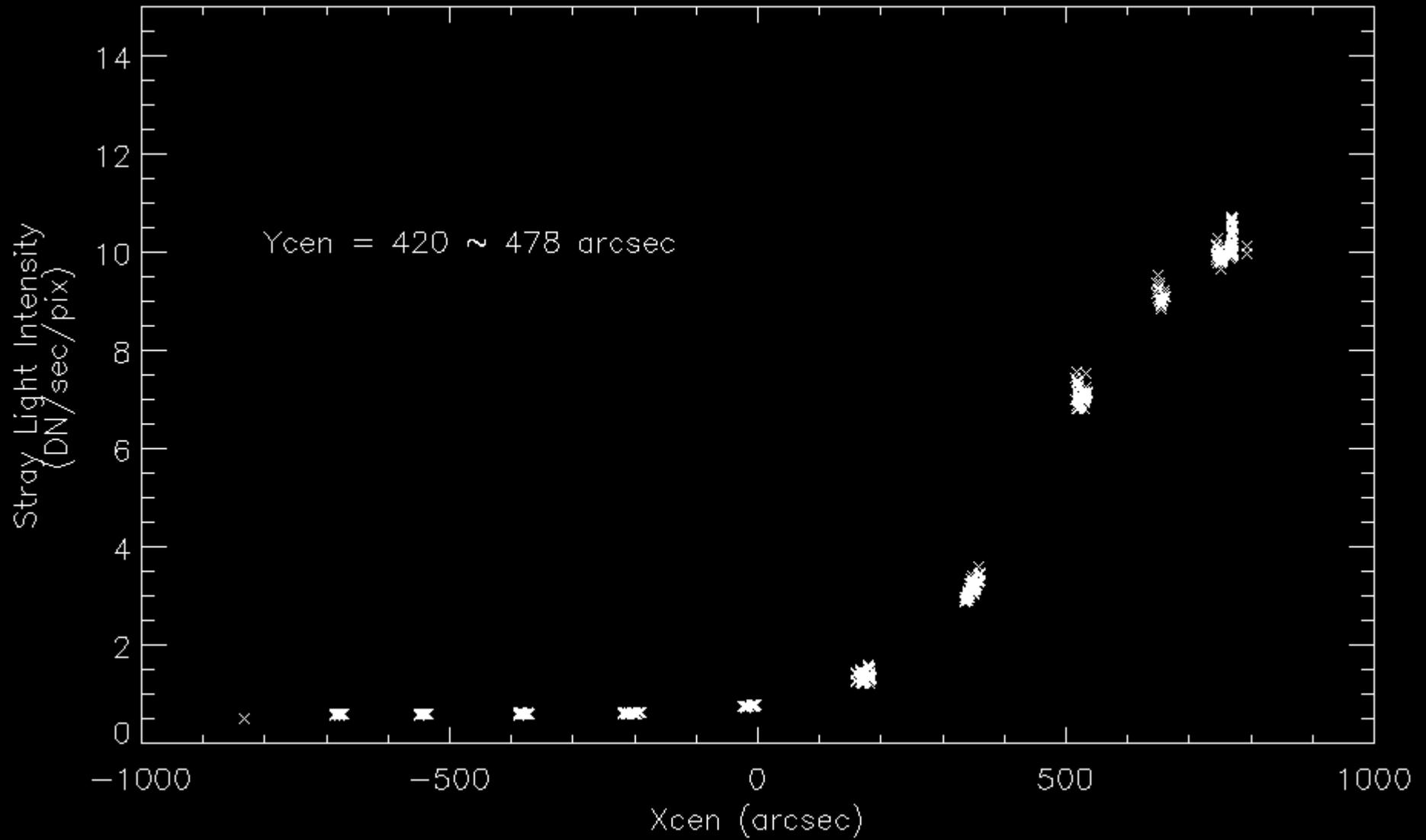
- ◆ Select full CCD observation (1x1, 2x2, and 4x4 binning) with Alpoly/Open
- ◆ Median of intensities in the pixels far from disk center ($> 1300''$, blue area above)
- ◆ Exclude the data which shows:
 - too many radiation-belt/cosmic-ray spikes,
 - missing pixels, and
 - enhanced scattered light (contribution from the wing component of the PSF).

2017/01/02 - 2017/01/11



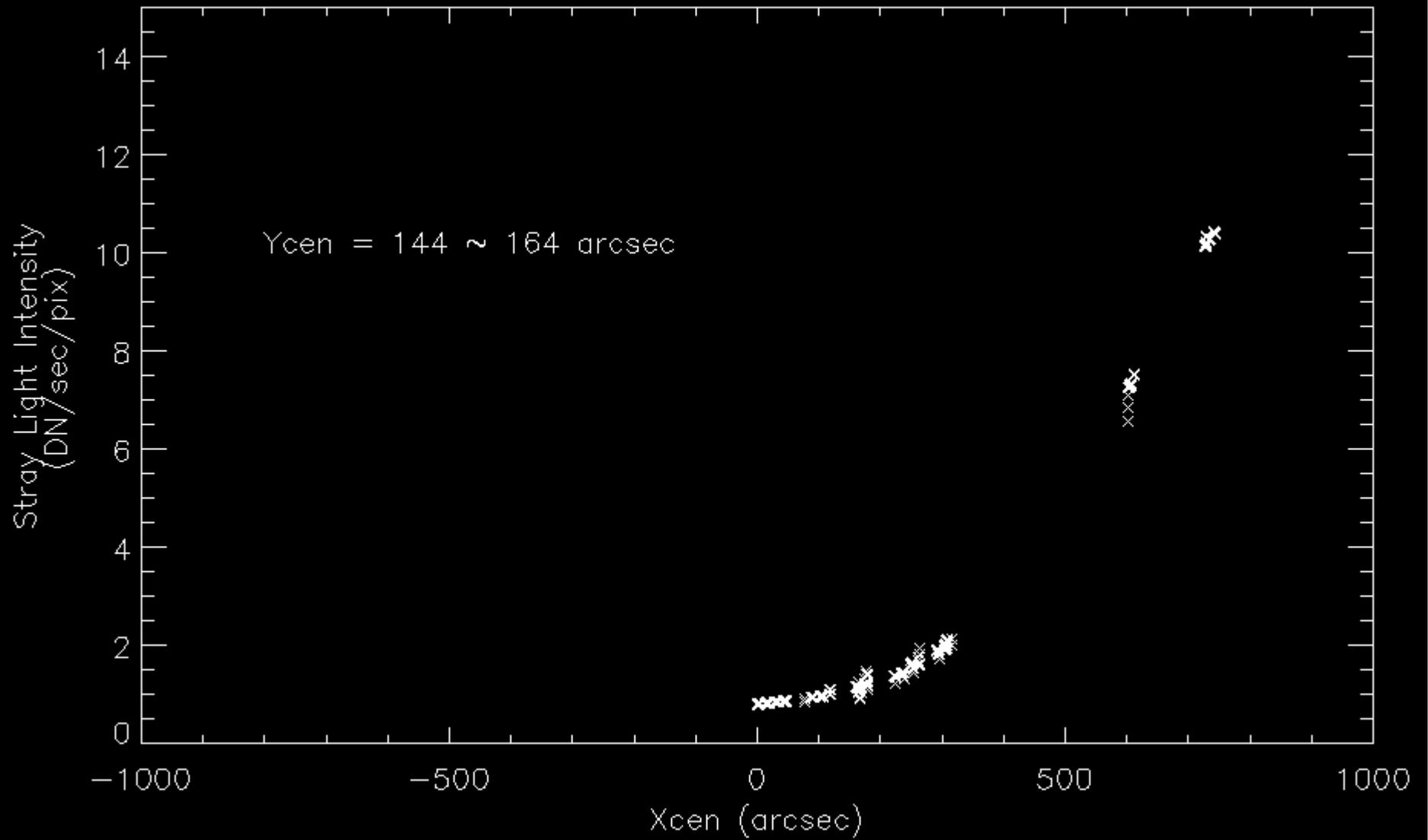
Sample from **Phase-2** (2015/06/14 - 2017/05/27)

2017/11/28 - 2017/12/08



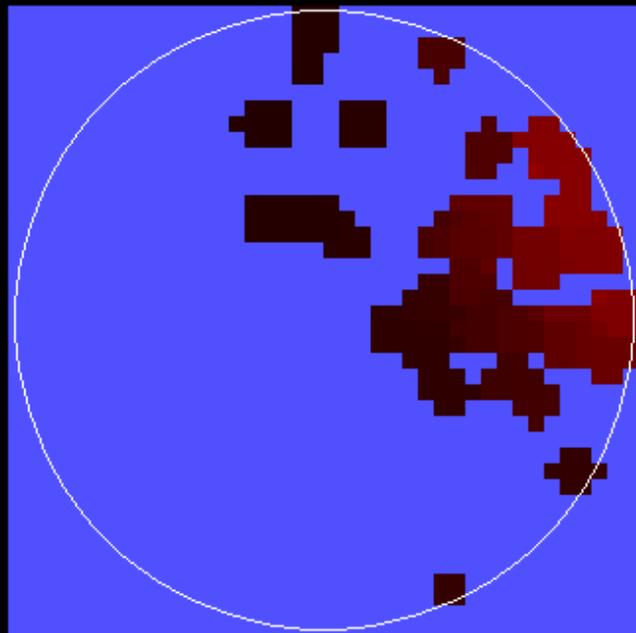
Sample from **Phase-3** (2017/05/27 - 2018/05/29)

2018/06/07 - 2018/06/11

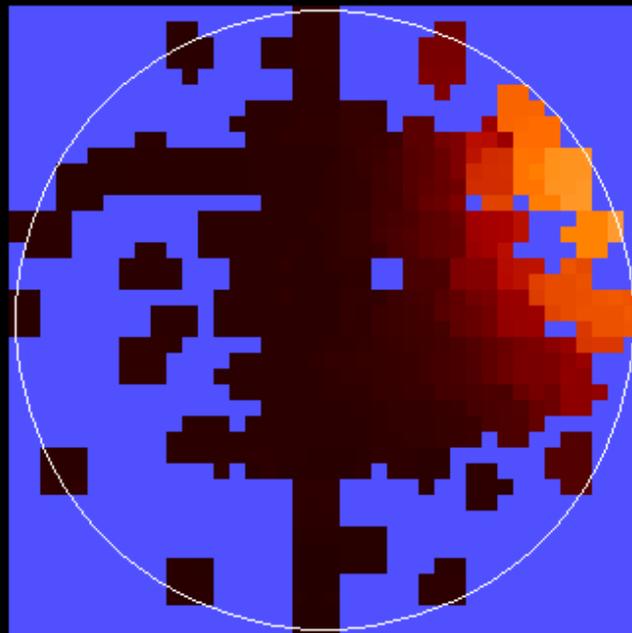


Sample from **Phase-4** (2018/05/29 -)

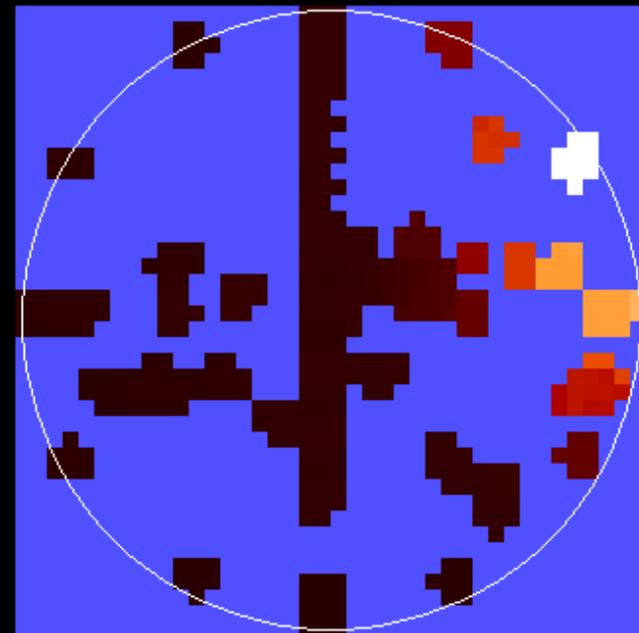
Phase-2



Phase-3



Phase-4



(DN/sec/pixel)

