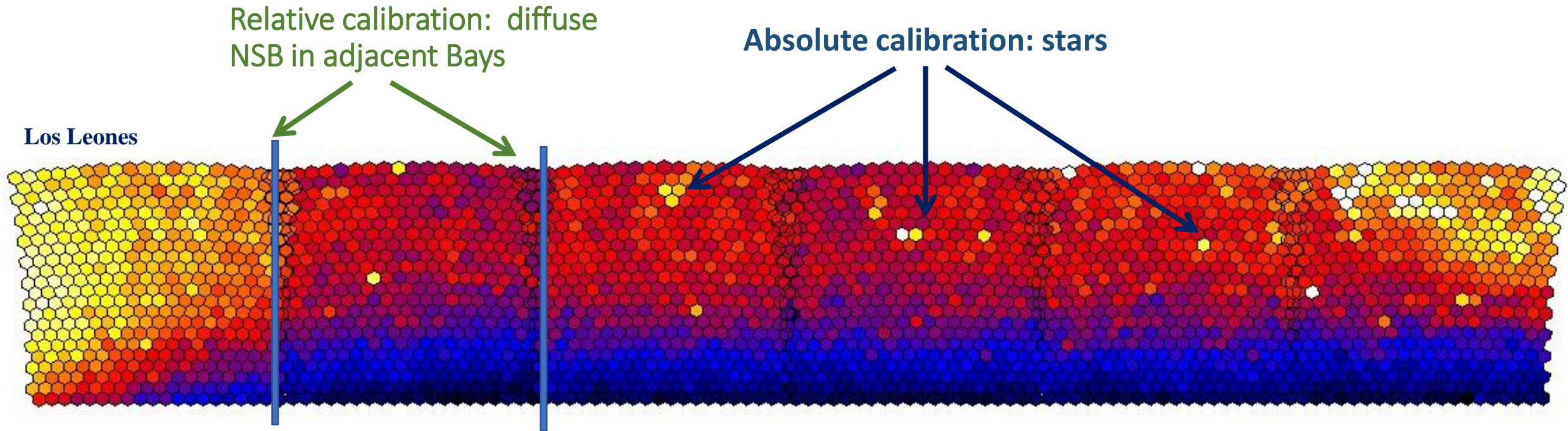


FD long term monitoring using variance

A. Segreto

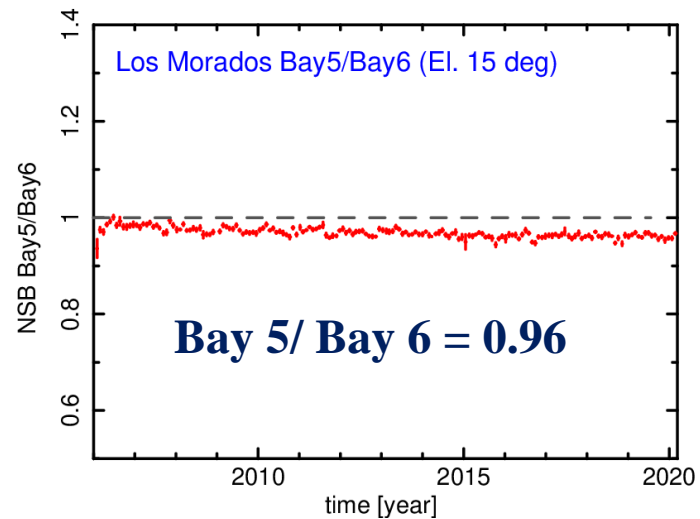
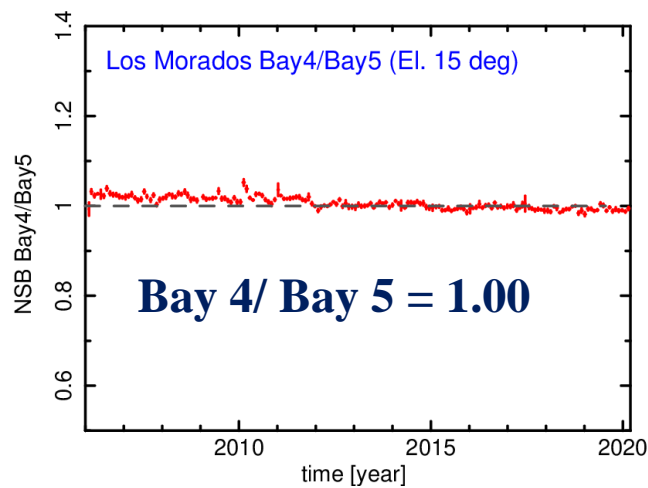
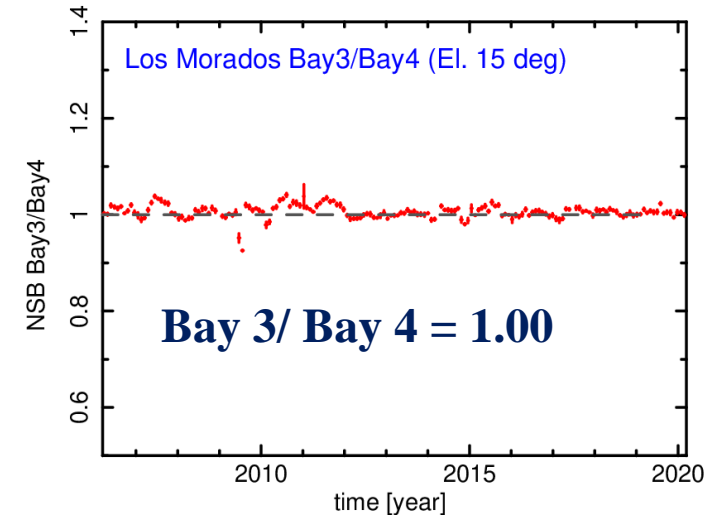
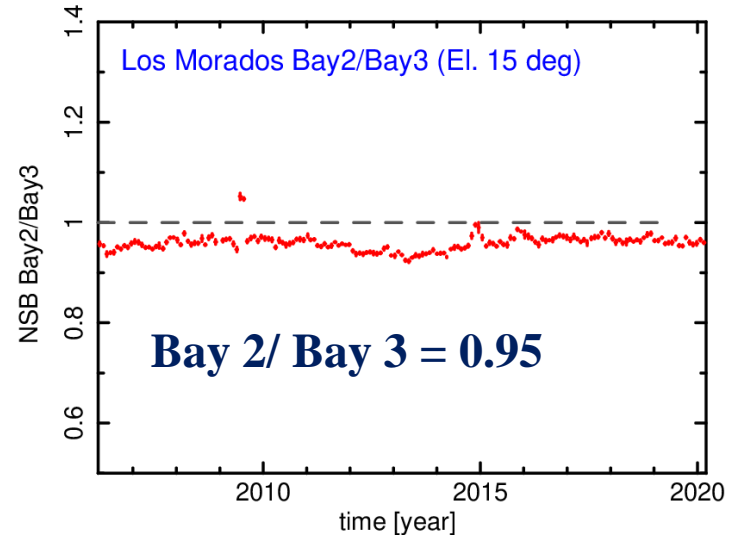
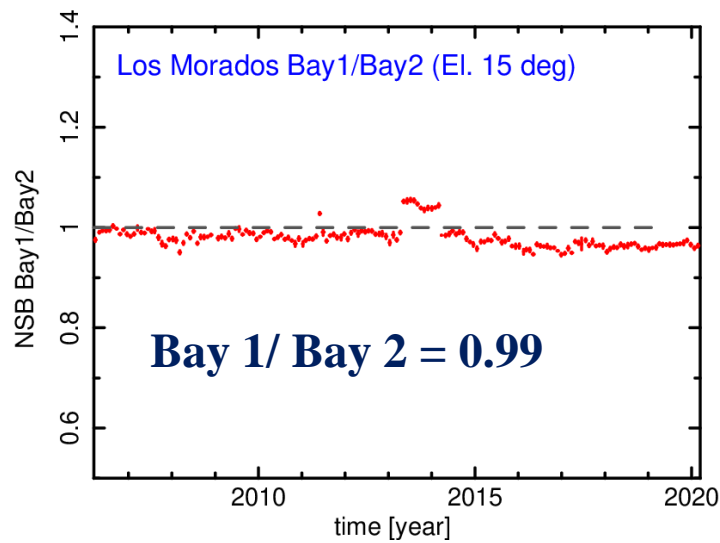
Long Term Performance Meeting 10/03/2020

FD long term monitoring using variance



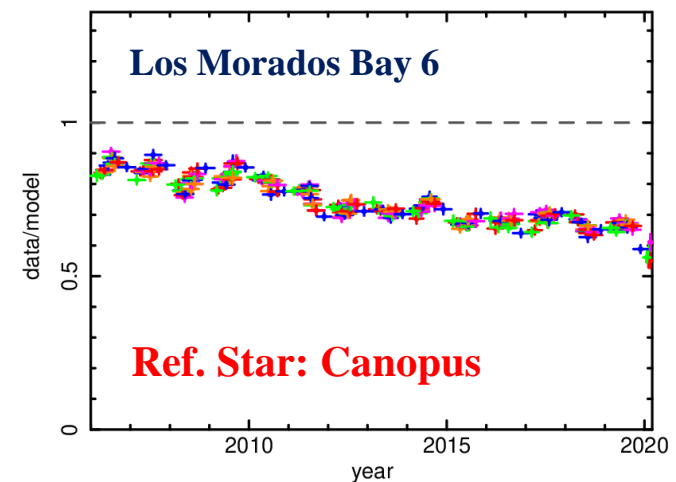
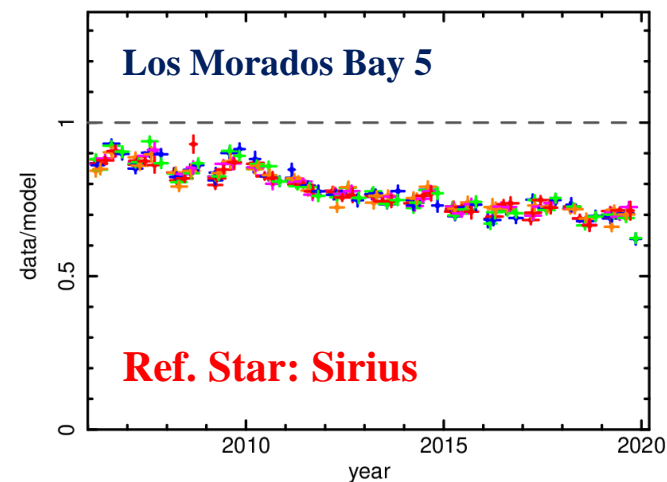
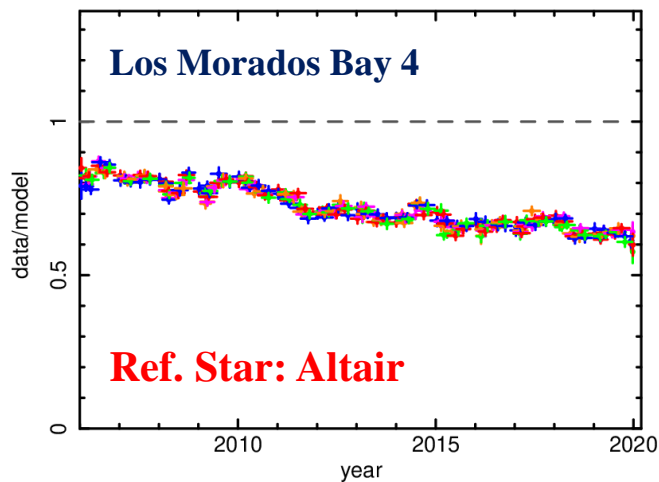
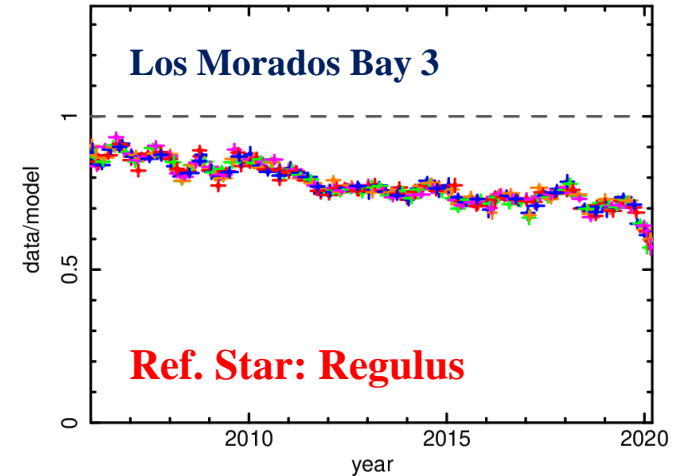
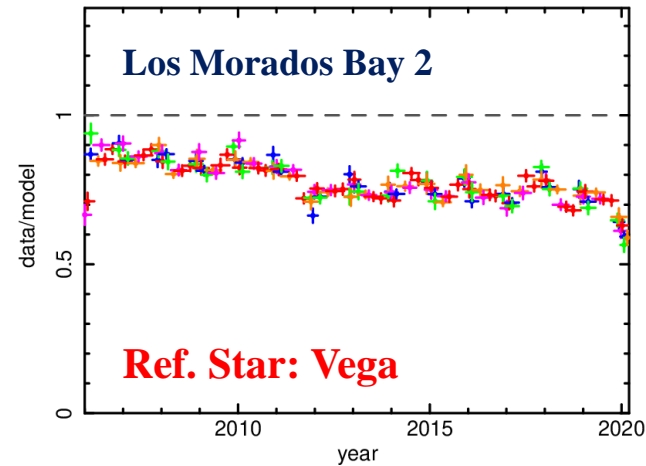
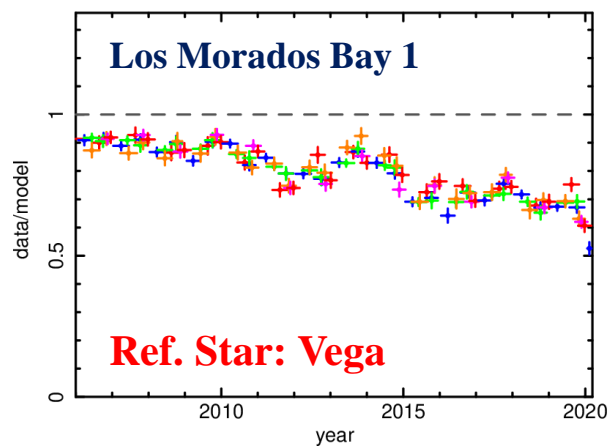
- Two complementary ways to exploit the NSB for the FD long term monitoring:
1. Comparing the diffuse component as observed in bays with adjacent FoV
 2. Measuring the absolute flux from reference stars

Los Morados: intercalibration using diffuse NSB



- **Good intercalibration status (<5%) between adjacent bays**
- **Minor (<0.1%/year) long term evolution observed**

Los Morados: calibration using stars



All 6 LM Bays are affected by a common, nearly identical, long term drift (-1.3%/year)