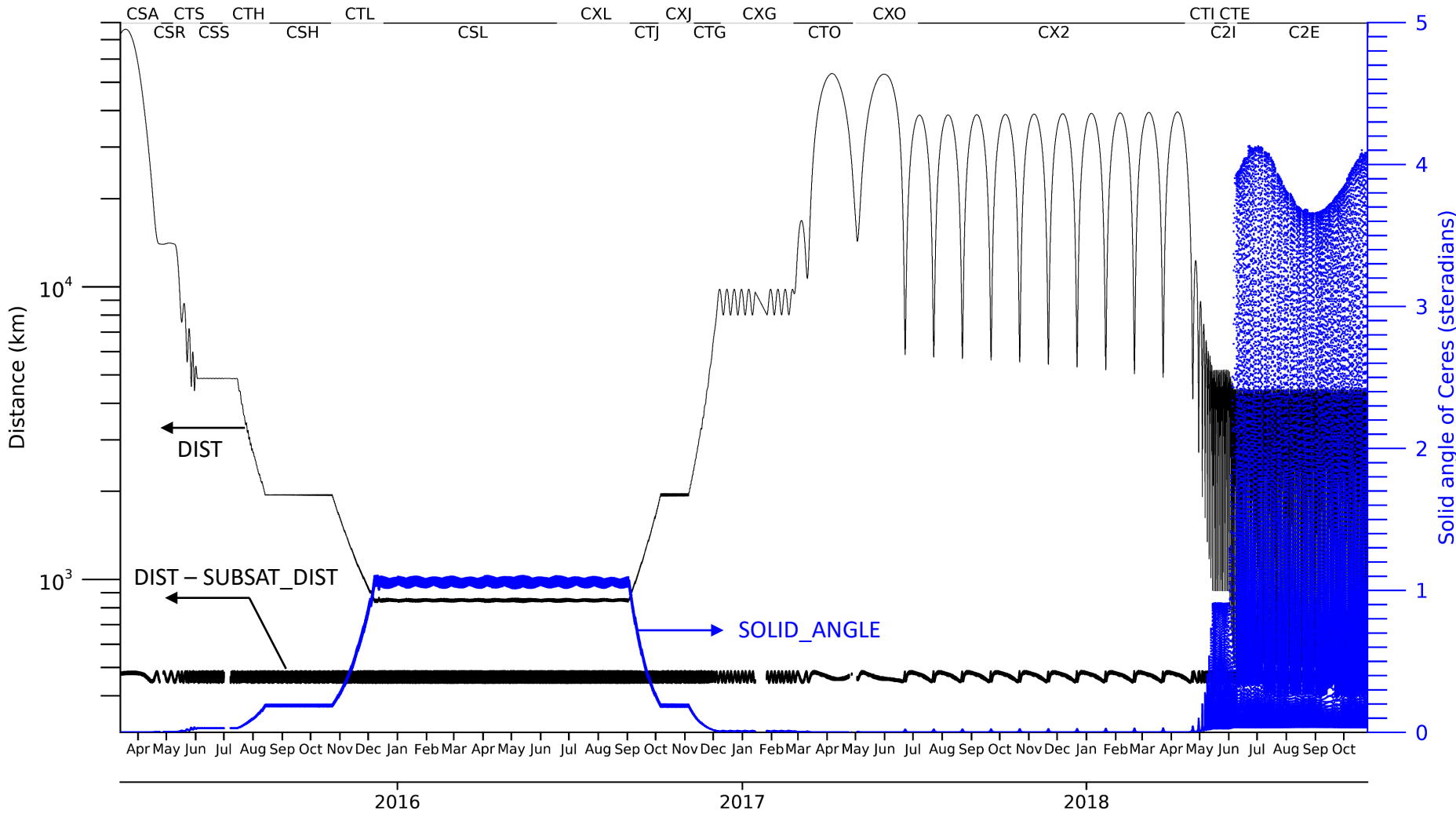


# Ceres Encounter Timeline



## Abbreviations:

- RC3 Rotational Characterization 3
- HAMO High Altitude Mapping Orbit
- LAMO Low Altitude Mapping Orbit
- GRaND Gamma Ray and Neutron Detector
- X2 Extended mission 2

## Mission phase names:

- CSA Ceres Science Approach
- CSR Ceres Science RC3
- CTS Ceres Transfer to Survey
- CSS Ceres Science Survey
- CTH Ceres Transfer to HAMO
- CSH Ceres Science HAMO
- CTL Ceres Transfer to LAMO
- CSL Ceres Science LAMO
- CXL Ceres Extended LAMO
- CTJ Ceres Transfer to Juling
- CXJ Ceres Extended Juling
- CTG Ceres Transfer to GRaND
- CXG Ceres Extended GRaND
- CTO Ceres Transfer to Opposition
- CXO Ceres Extended Opposition
- CX2 Ceres X2 Holding
- CTI Ceres X2 Transfer to Intermediate
- C2I Ceres X2 Intermediate
- CTE Ceres Transfer to X2 Elliptical
- C2E Ceres X2 Elliptical

Graphical overview of GRaND data acquired at Ceres. The timeline shows the distance of the spacecraft to body center (DIST), the position of the surface (DIST - SUBSAT\_DIST), and the solid angle subtended by Ceres at the spacecraft (SOLID\_ANGLE). See the ephemeris, pointing and geometry data file (EPG) for definitions of the plotted parameters. Each mission phase is indicated at the top of the graph. Values for over 575000 science data records are shown. Gaps in data correspond to spacecraft safing events.