

## Tropospheric Ozone Lidar Network (TOLNet) and Corresponding Suborbital Campaigns

This document/table highlights the various suborbital campaigns that TOLNet lidars have participated in and provides links to the respective TOLNet collection landing pages at the ASDC. Data download options are provided on each page. Earthdata Search allows for narrowing down search results by date (date ranges are provided in the table). SOOT's Power User Interface allows users to directly navigate to their files of interest. All acronyms are expanded on the table in the next page. This document will be updated as TOLNet participates in more field campaigns.

Suborbital Campaign	Applicable TOLNet Lidars	TOLNet Lidar Location	Dates	Link to Corresponding Suborbital Campaign Collection
<b>OWLETS-1</b>	NASA GSFC TROPOZ Lidar; NASA LaRC LMOL	TROPOZ: NASA LaRC ground site LMOL: Chesapeake Bay Bridge-Tunnel (CBBT)	TROPOZ: July 7, 2017 – August 1, 2017 LMOL: July 6, 2017 – August 1, 2017	<a href="#">OWLETS-1 Lidar Data at the ASDC</a> <a href="#">TROPOZ Lidar Data on SOOT</a> <a href="#">LMOL Data on SOOT</a>
<b>OWLETS-2</b>	NASA GSFC TROPOZ Lidar; NASA LaRC LMOL	TROPOZ: University of Maryland, Baltimore County (UMBC) LMOL: Hart-Miller Island (HMI)	TROPOZ: June 7, 2018 – July 19, 2018 LMOL: May 23, 2018 – July 2, 2018	<a href="#">OWLETS-2 Lidar Data at the ASDC</a> <a href="#">TROPOZ and LMOL Data on SOOT</a>
<b>LISTOS</b>	NASA GSFC TROPOZ Lidar; NASA LaRC LMOL	TROPOZ: Rutgers Ground Site LMOL: Westport Ground Site	TROPOZ: July 19, 2018 – August 17, 2018 LMOL: July 12, 2018 – August 29, 2018	<a href="#">LISTOS Rutgers Ground Site at the ASDC (TROPOZ)</a> <a href="#">TROPOZ Data on SOOT</a> <a href="#">LISTOS Westport Ground Site Data at the ASDC (LMOL)</a> <a href="#">LMOL Data on SOOT</a>
<b>DISCOVER-AQ</b>	NASA GSFC TROPOZ Lidar NOAA CSL TOPAZ Lidar	TROPOZ: Fort Collins, Colorado TOPAZ: BAO Tower, Colorado	TROPOZ Fort Collins: July 9, 2014 – August 2, 2014 TOPAZ: July 9, 2014 – August 18, 2014	<a href="#">DISCOVER-AQ TROPOZ Data in the TOLNet Collection at the ASDC</a> <a href="#">DISCOVER-AQ TOPAZ Data in the TOLNet Collection at the ASDC</a> <a href="#">TOPAZ Data on SOOT</a>

<b>KORUS-AQ</b>	NASA GSFC TROPOZ Lidar	NIER Taehwa Ground Site – South Korea	TROPOZ: April 25, 2016 – June 10, 2016	<a href="#">KORUS-AQ NASA Ground Site Data at the ASDC</a>
<b>TRACER-AQ</b>	NASA GSFC TROPOZ Lidar; NASA LaRC LMOL	TROPOZ: La Porte, Texas LMOL: University of Houston, Houston, Texas	TROPOZ: August 30, 2021 – September 28, 2021 LMOL: August 26, 2021 – September 27, 2021	<a href="#">TRACER-AQ TROPOZ Data in the TOLNet Collection at the ASDC</a> <a href="#">TRACER-AQ LMOL Data in the TOLNet Collection at the ASDC</a>
<b>STAQS</b>	CCNY Lidar NASA GSFC TROPOZ Lidar NASA JPL SMOL Lidars NASA LaRC LMOL NOAA CSL TOPAZ Lidar UAH RO3QET Lidar	CCNY: New York, New York TROPOZ: Oldfield, New York JPL: Table Mountain, California; JPL/Pasadena, California; San Bernardino/Cal State, California LMOL: Sherwood Island, Connecticut TOPAZ: Yale Coastal Field Site, Guildford, Connecticut RO3QET: Huntsville, Alabama	CCNY: June 29, 2023 – August 31, 2023 TROPOZ: JPL TMF: August 22, 2023 – August 27, 2023 JPL SMOL-1 (Pasadena): June 25, 2023 – September 7, 2023* JPL SMOL-1 (San Bernardino): June 23, 2023 – September 1, 2023* LMOL: July 17, 2023 – August 26, 2023 CSL: July 4, 2023 – August 14, 2023 RO3QET: July 18, 2023 – August 16, 2023	<a href="#">STAQS CCNY Data in the TOLNet Collection at the ASDC</a> <a href="#">STAQS TROPOZ Data in the TOLNet Collection at the ASDC</a> <a href="#">STAQS JPL Data in the TOLNet Collection at the ASDC</a> <a href="#">STAQS LMOL Data in the TOLNet Collection at the ASDC</a> <a href="#">STAQS TOPAZ Data in the TOLNet Collection at the ASDC</a> <a href="#">STAQS RO3QET Data in the TOLNet Collection at the ASDC</a>

\*Indicates data is not available for each date in date range

Acronym List:

<b>Acronym</b>	<b>Definition</b>
CBBT	Chesapeake Bay Bridge Tunnel
CCNY	City College of New York
CSL	Chemical Sciences Laboratory
DISCOVER-AQ	Deriving Information on Surface Conditions from Column and Vertically Resolved Observations Relevant to Air Quality
GSFC	Goddard Space Flight Center
HMI	Hart-Miller Island
JPL	Jet Propulsion Laboratory
KORUS-AQ	Korea United States Air Quality Study
LaRC	Langley Research Center
LISTOS	Long Island Sound Tropospheric Ozone Study
LMOL	Langley Mobile Ozone Lidar
NASA	National Aeronautics and Space Administration
NOAA	National Oceanic and Atmospheric Administration
OWLETS	Ozone Water-Land Environmental Transition Study
RO3QET	Rocket-city O3 Quality Evaluation in the Troposphere
SMOL	Small Mobile Ozone Lidar
STAQS	Synergistic TEMPO Air Quality Science
TEMPO	Tropospheric Emissions: Monitoring of Pollution
TMF	Table Mountain Facility
TOLNet	Tropospheric Ozone Lidar Network
TOPAZ	Tunable Optical Profile for Aerosol and oZone
TRACER-AQ	Tracking Aerosol Convection ExpeRiment – Air Quality
TROPOZ	TROPOspheric Ozone DIAL
UAH	University of Alabama in Huntsville
UMBC	University of Maryland, Baltimore County