

SWA Environment Laser Division: DWL Mission Campaigns

**TODWL, P3DWL, TWOLF and DAWN
2002 – 2020**

TODWL Feb-Mar 2002	Monterey, CA Boulder, CO	Water/Surface Returns; Wind Profiles
TODWL Feb 2003	Monterey, CA	Cross Mountain Wind Profiles, sfc returns
TODWL Oct 2003		
TODWL Apr 2005		
TODWL Dec 2005	Monterey, CA	Check out flights for new system, Wind profiles over the ridge/valleys, under fly Quikscat
TODWL Jan 2006		
TODWL Feb 2006		
TODWL Oct 2006	Salinas Valley	Valley and Mt. Wind Profiles, Ft. Ord Burning
TODWL Apr 2007	Monterey Bay Salinas Valley	SkyWalker, wind profiles, Rolls
TODWL Nov 2007	Salinas Valley	SkyWalker, Salinas Valley and coastal mountains, Wind profiles, NASA Dryden calibration flights
P3DWL Jul-Aug 2008	GUAM	TPARC - TC Nuri, TCS025, TCS030, TCS037, TCS039, TCS043 TCS047, Typhoon Sinlaku, Typhoon Haugapit, TS Jangmi
TWOLF Jul 2009		Tornado
TWOLF Sep 2009		Tornado
TWOLF May – Jun 2010	NE, KS, CO, TX, OK	Tornado
TWOLF Oct/Dec 2011		Tornado
TODWL Sep 2012	Monterey, Salinas Valley	UPPEF, CTV survey flight
TODWL Oct 2012	Utah	MATERHORN
TODWL Apr 2014		C17 Wing Tip Vortices
DAWN Oct-Nov 2014	Greenland	Polar Winds I - Arctic PBL, Under-flight of existing and planned (AEOLUS) remote sensing platforms
DAWN May 2015	Iceland	Polar Winds II - Arctic PBL and low-level circulations over water, land and ice.

P3DWL Aug 2015	Atlantic Ocean	Tropical Storm Erika - NHC-tasked Synoptic Surveillance mission around Tropical Storm Erika in the Atlantic north of Barbados.
P3DWL Jun 2016	Caribbean	Hurricane Earl
TODWL Jul 2017	YUMA	C17 Wing Tip Vortices
P3DWL Sep 2017	Atlantic Ocean	Hurricane Maria - HRD-tasked Doppler Winds LIDAR and COYOTE mission into Hurricane Maria
DAWN May-Jun 2017	Gulf of Mex./Atl.	CPEX 2017 - TS Cindy, Convective and Inflow
TODWL Sep 2018	Monterey, CA	Wing Tip Vortices, OLEs/Rolls, Methane Studies
P3DWL Jul- Aug 2018	Hawaii Pacific Ocean	Hurr. Lane - EMC-tasked mission
DAWN Apr 2019	Pacific Ocean	Aeolus Cal/Val