

2019 NOAA/AOML/HRD Hurricane Field Program - IFEX

APPENDIX G *List of Acronyms*

ABL	atmospheric boundary layer
ADOS	Thermistor chain Autonomous Drifting Ocean Station
AMSR2	Advanced Microwave Scanning Radiometer 2
AOC	Aircraft Operations Center
AOML	Atlantic Oceanographic and Meteorological Laboratory
AXBT	airborne expendable bathythermograph
AXCP	airborne expendable current profilers
AXCTD	airborne expendable conductivity–temperature–depth probe
AEW	African easterly wave
AVAPS	Airborne Vertical Atmospheric Profiling System
AWRAP	Advanced Wind and Rain Airborne Profiler
CARCAH	Chief, Aerial Reconnaissance Coordinator, All Hurricanes
CB	convective burst
CBLAST	Coupled Boundary Layer Air-Sea Transfer
C-MAN	Coastal-Marine Automated Network
CCP	Cloud Combination Probe
CRL	Airborne compact rotational Raman LIDAR
CYGNSS	NASA Cyclone Global Navigation Satellite System
DA	data assimilation
DMT	Droplet Measurement Technologies, Inc.
DWL	Doppler Wind LIDAR
ECMWF	European Centre for Medium-Range Weather Forecasts
EMC	Environmental Modeling Center
EOL	Earth Observing Laboratory (NCAR)
ERC	eyewall replacement cycle
ET	extratropical transition
FL	flight level
GFS	Global Forecast System
G-IV	Gulfstream IV-SP aircraft
GMI	Global Precipitation Measuring Mission Microwave Instrument
GPS	global positioning system
GRIP	NASA Genesis and Rapid Intensification Processes experiment
GTS	global telecommunications system
HEDAS	Hurricane Ensemble Data Assimilation System
HFP	Hurricane Field Program
HFPP	Hurricane Field Program Plan
HRD	Hurricane Research Division
HWRF	Hurricane Weather Research and Forecasting (model)
ICS	interphone communications systems
IFEX	Intensity Forecast Experiment
IP	initial point
IWRAP	Imaging Wind and Rain Airborne Profiler
LIDAR	Light Detection and Ranging
LF	lower fuselage (radar)

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MCS	mesoscale convective system
MDR	main development region
MMR	Multi-mode Radar
NASA	National Aeronautics and Space Administration
NCAR	National Center for Atmospheric Research
NCEP	National Centers for Environmental Prediction
NCO	NCEP Central Operations
NESDIS	National Environmental Satellite, Data and Information Service
NHC	National Hurricane Center
NHOP	National Hurricane Operations Plan
NOAA	National Oceanographic and Atmospheric Administration
NPS	Naval Postgraduate School
NWS	National Weather Service
OMAO	Office of Marine and Aviation Operations
OSSE	observation system simulation experiment
OSE	observing system experiments
P-3	WP-3D aircraft
PA	public address
PIP	Precipitation Imaging Probe
POD	Plan of the Day
PREDICT	Pre-depression Investigation of Cloud-systems in the Tropics
RMW	radius of maximum wind
SAL	Saharan air layer
SEF	secondary eyewall formation
SFMR	Stepped Frequency Microwave Radiometer
SSMIS	Special Sensor Microwave Imager/Sounder
SST	sea surface temperature
TC	tropical cyclone
TCDC	tropical cyclone diurnal cycle
TD	tropical depression
TDR	tail Doppler radar
TPW	total precipitable water
TS	tropical storm
UAS	unmanned aerial system
WSRA	Wide Swath Radar Altimeter
WRF-ARW	Weather Research and Forecasting model – Advanced Research WRF