

SkyCast® Wind and Thermodynamic Profiling System (WTPS) Installations

Systems typically include an MP-3000A and a radar wind profiler (RWP), with acoustic wind profiler (AWP) as an option. *VizAir™* analysis software provides wind shear detection from the surface to 3+ km AGL, and supports detection and nowcasting of fog, turbulence, sea breezes, inversions, and other high impact weather conditions at airports, as well as air quality monitoring, emergency response and research applications. Thirteen new airport systems will be delivered in 2021 - 2022 to Africa and Thailand.



Photo	Install Date & Model	Installation Site/Customer/Location	Application	Links
	2022 VAD-BL MP-3000A AWP-4500	Hat Yai International Airport - Thai Meteorological Department	Wind shear detection and alerting; aviation weather forecasting	
	2022 VAD-BL MP-3000A AWP-4500	Phuket International Airport - Thai Meteorological Department	Wind shear detection and alerting; aviation weather forecasting	




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	<p>2022 VAD-BL MP-3000A AWP-4500</p>	<p>Don Mueang International Airport - Thai Meteorological Department</p>	<p>Wind shear detection and alerting; aviation weather forecasting</p>	
	<p>2022 VAD-BL MP-3000A AWP-4500</p>	<p>Ubon Ratchathani International Airport - Thai Meteorological Department</p>	<p>Wind shear detection and alerting; aviation weather forecasting</p>	
	<p>2021 XBS-BL MP-3000 AWP-4500</p>	<p>ASECNA Nouakchott- Oumtounsy International Airport, Mauritania</p>	<p>Wind shear detection and alerting; aviation weather forecasting</p>	




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	<p>2022 VAD-BL MP-3000A AWP-4500</p>	<p>Chiang Mai International Airport - Thai Meteorological Department</p>	<p>Wind shear detection and alerting; aviation weather forecasting</p>	
	<p>2021 XBS-BL MP-3000 AWP-4500</p>	<p>U.S. Air Force Alaska</p>	<p>Wind shear detection and alerting; aviation weather forecasting</p>	
	<p>2021 PA5 MP-3000 AWP-4500</p>	<p>U.S. Air Force Alaska</p>	<p>Wind shear detection and alerting; aviation weather forecasting</p>	


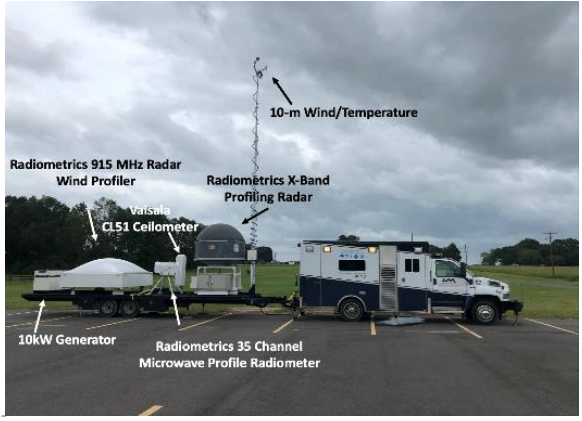
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	<p>2021 MP-3000A FBS-T RWP AWP-4500</p>	<p>Commercial Space Launch Facility – Texas</p>	<p>Tropospheric Wind and Thermodynamic Profiling to support commercial space launches</p>	
 <p>Labels in image: Radiometrics 915 MHz Radar Wind Profiler Radiometrics X-Band Profiling Radar Vaisala C151 Cellometer 10-kW Generator Radiometrics 35 Channel Microwave Profile Radiometer 10-m Wind/Temperature</p>	<p>2019 Trailer XBS-BL RWP MP-3000A</p>	<p>University of Alabama Huntsville Mobile Integrated Profiling System (MIPS)</p>	<p>Research & Severe Storm Nowcasting</p>	<p>https://www.nsstc.uah.edu/swirl/main/platforms-mips/index.html</p>




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	<p align="center">2017 MP-3000A FBS-T RWP</p>	<p align="center">National Central University Taiwan</p>	<p align="center">Tropospheric Wind and Thermodynamic Profiling to Support High Impact Weather Research</p>	
	<p align="center">2017 MP-3000A FBS-ST RWP</p>	<p align="center">Central Weather Bureau (CWB) Taiwan</p>	<p align="center">Tropospheric Wind and Thermodynamic Profiling to support CWB Typhoon Forecasting Operations</p>	
	<p align="center">2016 MP-3000A XBS-BL RWP</p>	<p align="center">Abu Dhabi Int'l Airport (AUH) UAE</p>	<p align="center">Aviation Weather Nowcasting & Forecasting</p>	




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	<p>2016 Mobile XBS-BL RWP MP-3000A</p>	<p>University of Alabama Huntsville Rapidly Deployable Radar System (RaDAPS)</p>	<p>Research & Severe Storm Nowcasting</p>	<p>https://www.nsstc.uah.edu/swirl/main/platforms-mips/index.html</p>
	<p>2015 MP-3000A XBS-BL RWP</p>	<p>Taiwan Typhoon and Flood Research Institute (TTFRI)</p>	<p>Advanced Typhoon Research and Forecasting program.</p>	
	<p>2014 Trailer XBS-T RWP MP-3000A</p>	<p>San Diego Gas and Electric (SDG&E)</p>	<p>Fire Weather & Load Forecasting</p>	<p>Channel 10 News: Backcounty Fire Protection</p>



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	<p align="center">2014 Trailer-mounted XBS-BL RWP MP-3000A</p>	<p align="center">San Diego Gas and Electric (SDG&E)</p>	<p align="center">Fire Weather, High-Wind Nowcasting & Load Forecasting</p>	<p align="center">Channel 10 News: Backcountry Fire Protection</p>
	<p align="center">2013 VAD-BL RWP</p>	<p align="center">Suvarnabhumi International Airport (BKK) Bangkok, Thailand</p>	<p align="center">Aviation Weather Decision Support including Doppler Wind Lidar</p>	






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	<p>2013 MP-3000A VAD-BL RWP</p>	<p>AMVA/SIATA in Medellin, Colombia</p>	<p>Local High Impact Weather Nowcasting & Forecasting</p>	 Disaster Alert Tower
	<p>2012 MP-3000A VAD-BL RWP</p>	<p>Dirección de Monitoreo Atmosférico DMA Secretaría del Medio Ambiente: Mexico City</p>	<p>Air Quality Monitoring & Alerting</p>	<p>Mexico City Quality of Air</p>

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 <p>Los Angeles International Airport</p>	<p>2011 MP-3000A BL-RWP AWP</p>	<p>Los Angeles Int'l Airport (LAX) Operated by SoCal Edison and South Coast Air Quality Management District</p>	<p>Air Quality Monitoring & Alerting</p>	<p>Upper-Air Monitoring Network</p>
	<p>2009 MP-3000A BL-RWP</p>	<p>Dubai International Airport (DXB)</p>	<p>Aviation Weather Decision Support System -- Local High-Impact Weather Nowcasting & Numerical Weather Prediction</p>	<p>Thomas, Spread the Message, 2010. Shaw, WRF AWDSS, 2008. Barrere, Dubai AWDSS, 2008.</p>

For additional information contact:

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