

Scientific Parameters and Specifications of HotPay Services to the Applicants Provided by ARR

Launch Period	Launch Criteria	Parameters
Winter 2006/2007 December - February	Height Regime	60 – 250km Studies of ionosphere and aurora
	Launch Conditions	Geomagnetic Disturbance, Aurora
	Examples of parameters that may be measured	<ul style="list-style-type: none"> ✓ E-Field and plasma Density ✓ Ion mass distribution ✓ Temperature ✓ Plasma Fine Structure ✓ Auroral optical emissions
Summer 2006 June - July	Height Regime	60 – 120 km Studies of middle atmosphere
	Launch Conditions	<ul style="list-style-type: none"> a) NLC (Noctilucent Cloud) and/or b) PMSE (Polar Mesospheric Summer Echoes) c) Magnetic Quiet or Disturbed conditions
	Examples of parameters that may be measured	<ul style="list-style-type: none"> ✓ Pressure ✓ Temperature ✓ Density ✓ Aerosol content ✓ Plasma density ✓ Chemical composition ✓ Turbulence and ✓ Wave Structure

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