

Parameter	Operation : 0001 As from 12.9.2006	LEG 1	LEG 2
2 metre temperature	PARAMETER ID: 167.131  Available 12 hourly (t+12 to t+240) And also available for the following periods: 132-168 132-240 180-240  The following threshold applies: < 273.15 K	<b>New parameter: 2TL273</b> 2 metre temperature less than 273.15K (param=73.131)  Availability 12 hourly and for specified periods. The latter are <b>re-labelled</b> as follows: 120-168, 120-240 , 168-240 and will include a better use of the frequent post-processing (3 hourly to 144 and 6 hourly thereafter)	Same parameters as in Leg 1 and with availability extended as follows: 12 hourly from t+252 to t+360 and an extra period: t+240 - t+360
Significant wave height	PARAMETER ID: 229.131  Available 12 hourly (t+12 to t+240) And also available for the following periods: 132-168 132-240 180-240 with the following 4 thresholds: >= 2m    >= 4m >= 6m    >= 8m	<b>New parameter: SWHG2</b> Significant wave height of at least 2 m (param=74.131) <b>New parameter: SWHG4</b> Significant wave height of at least 4 m (param=75.131) <b>New parameter: SWHG6</b> Significant wave height of at least 6 m (param=76.131) <b>New parameter: SWHG8</b> Significant wave height of at least 8 m (param=77.131)  Available 12 hourly and for specified periods. The specified periods are <b>re-labelled</b> as follows: 120-168, 120-240 , 168-240 and will include a better use of the frequent post-processing (3 hourly to 144 and 6 hourly thereafter)	Same parameters as in Leg 1 and with availability extended as follows: 12 hourly from t+252 to t+360 and an extra period: t+240 - t+360

<p>Mean wave period</p>	<p>PARAMETER ID: 232.131</p> <p>Available 12 hourly (t+12 to t+240)  And also available for the following periods:  132-168  132-240  180-240  With the following 4 thresholds:  &gt;= 8s    &gt;= 10s  &gt;= 12s   &gt;= 15s</p>	<p><b>New parameter: MWPG8</b>  Mean wave period of at least 8 s (param=78.131)  <b>New parameter: MWPG10</b>  Mean wave period of at least 10 s (param=79.131)  <b>New parameter: MWPG12</b>  Mean wave period of at least 12 s (param=80.131)  <b>New parameter: MWPG15</b>  Mean wave period of at least 15 s (param=81.131)</p> <p>Available 12 hourly and for specified periods.  The specified periods are <b>re-labelled</b> as follows:  120-168, 120-240 , 168-240  and will include a better use of the frequent post-processing (3 hourly to 144 and 6 hourly thereafter)</p>	<p>Same parameters as in Leg 1 and with availability extended as follows:  12 hourly from t+252 to t+360  and an extra period:  t+240 - t+360</p>
<p>10 metre wind gust</p>	<p>PARAMETER ID: 49.131</p> <p>Available 12 hourly with a 24 hour window, as follows:  0-24/12-36/24-48/36-60/48-72/60-84/72-96/84-108/96-120/108-132/120-144/132-156/144-168/156-180/168-192/180-204/192-216/204-228/216-240  And also available for the following periods:  120-168  120-240  168-240  with the following 3 thresholds:  &gt;= 15m/s   &gt;= 20m/s  &gt;= 25m/s</p>	<p><b>New parameter: 10FGG15</b>  10 metre Wind gust of at least 15 m/s (param=70.131)  <b>New parameter: 10FGG20</b>  10 metre Wind gust of at least 20 m/s (param=71.131)  <b>New parameter: 10FGG25</b>  10 metre Wind gust of at least 25 m/s (param=72.131)</p> <p>Available 12 hourly with a 24h time window and for specified periods (as in operation). The period (time window or accumulation) is specified in the MARS request.</p>	<p>Same parameters as in Leg 1 and with availability extended as follows:  228-252/240-264/252-276/264-288/276-300/288-312/300-324/312-336/324-348/336-360  and an extra period:  t+240 - t+360</p>

<p>Total precipitation</p>	<p>PARAMETER ID: 228.131</p> <p>Available 12 hourly (from t+24 to t+240) 24h accumulated total precipitation probability with the following 4 thresholds: &gt;= 1mm/24h &gt;= 5mm/24h &gt;=10mm/24h &gt;=20mm/24h</p> <p>Also available for the following accumulated periods: 144-168 144-240 192-240 with the following threshold for the whole of the accumulation period: &lt; 0.1 mm/ accum. period</p> <p>and as daily averaged for the whole accumulation period for the following 3 thresholds (precipitation rate probabilities): &lt; 1 mm/day &gt;= 3 mm/day &gt;= 5 mm/day</p>	<p><b>New parameter: TPG1</b> Total precipitation of at least 1 mm (param=60.131) <b>New parameter: TPG5</b> Total precipitation of at least 5 mm (param=61.131) <b>New parameter: TPG10</b> Total precipitation of at least 10 mm (param=62.131) <b>New parameter: TPG20</b> Total precipitation of at least 20 mm (param=63.131)</p> <p>Available 12 hourly for a 24h time window (as in operation), as follows: 0-24/12-36/24-48/36-60/48-72/60-84/72-96/84-108/96-120/108-132/120-144/132-156/144-168/156-180/168-192/180-204/192-216/204-228/216-240 <b>Please note:</b> the MARS request will require the time window, as opposed to just the end accumulation step.</p> <p>----- The following new parameters will substitute the accumulated precipitation or precipitation rate probabilities available for specified periods: <b>New Parameter: TPL01</b> Total precipitation less than 0.1 mm (param=64.131) <b>New parameter: TPRL1</b> Total precipitation rate less than 1mm/day (param=65.131) <b>New parameter: TPRG3</b> Total precipitation rate of at least 3mm/day (param=66.131) <b>New parameter: TPRG5</b> Total precipitation rate of at least 5mm/day (param=67.131)</p> <p>Available for specified periods <b>re-labelled</b> as follows: 120-168, 120-240 , 168-240</p>	<p>Same parameters as in Leg 1 and with availability extended as follows: 228-252/240-264/252-276/264-288/276-300/288-312/300-324/312-336/324-348/336-360</p> <p>and an extra period: 240-360</p> <p>NOTE: to calculate the 24h accumulated precipitation probability across the truncation time, the algorithm described in Technical Memo no. 499 (July 2006) is used.</p>
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<p>10 meter wind speed</p>	<p>PARAMETER ID: 165.131</p> <p>Available 12 hourly (t+12 to t+240) with the following 2 thresholds:  &gt;= 10m/s    &gt;= 15m/s</p>	<p><b>New parameter: 10SPG10</b>  10 metre Wind speed of at least 10 m/s (param=68.131)  <b>New parameter: 10SPG15</b>  (10 metre Wind speed of at least 15 m/s (param=69.131)</p> <p>Available 12 hourly as in operation. The period (time window or accumulation) is specified in the MARS request.</p>	<p>Same parameters as in Leg 1 and with availability extended as follows:  12 hourly from t+252 to t+360</p>
<p>T850 anomaly</p>	<p>PARAMETER ID: 130.131</p> <p>Available 12 hourly (t+12 to t+240) with the following 4 thresholds:  &lt; -8K    &lt; -4K  &gt; 4K    &gt; 8K</p> <p>Also available for the following periods:  144-168  144-240  192-240  with the following 2 thresholds:  &lt; -2 K    &gt;= 2K</p>	<p><b>New parameter: TALM2K</b>  Temperature anomaly less than -2 K (param=20.131)  <b>New parameter: TAG2K</b>  Temperature anomaly of at least +2 K (param=21.131)</p> <p>Available for specified periods (as in operation). The period (time window or accumulation) is specified in the MARS request.  The specified periods are <b>re-labelled</b> as follows:  120-168, 120-240 , 168-240  and will include a better use of the frequent post-processing (3 hourly to 144 and 6 hourly thereafter)</p> <p>-----  <b>New parameter: TALM8K</b>  Temperature anomaly less than -8 K (param=22.131)  <b>New parameter: TALM4K</b>  Temperature anomaly less than -4 K (param=23.131)  <b>New parameter: TAG4K</b>  Temperature anomaly greater than +4 K (param=24.131)  <b>New parameter: TAG8K</b>  Temperature anomaly greater than +8 K (param=25.131)</p> <p>Available 12 hourly as in operation. The period (time window or accumulation) is specified in the MARS request.</p>	<p>Same parameters as in Leg 1 and with availability extended as follows:  12 hourly from t+252 to t+360  and an extra period:  t+240 - t+360</p>

<p><b>Ensemble Mean and standard deviation</b> for the following parameters:  Z 500  Z 1000  T 500  T 850</p>	<p>Calculated on the variable <b>Reduced Gaussian Grid N200</b> and available:  6 hourly up to t+240</p>	<p>Calculated as operation on the <b>Reduced Gaussian Grid N200</b>, but available:  3 hourly up to t+144  6 hourly from t+150 to t+240</p>	<p>Calculated on the <b>Reduced Gaussian Grid N128</b>, and available:  6 hourly from t+246 to t+360</p>
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