

## Leiðbeiningar um notkun XML-þjónustu Veðurstofu Íslands fyrir norðurljós

XML-þjónustan veitir aðgang að nýjum norðurljósagögnum Veðurstofunnar sem birt eru á [www.vedur.is](http://www.vedur.is).

Slóð XML-þjónustunnar er <https://xmlweather.vedur.is/aurora?op=xml&type=index> (íslenska)  
eða <https://xmlweather.vedur.is/aurora?op=xml&lang=en&type=index> (enska)

### Færibreytur

Færibreyta	Gildi	Útskýring
op	xml	Skal í öllum tilfellum vera 'xml'
type	index	Birtir spá um norðurljósavirkni nokkrar nætur fram í tímann. Einnig upplýsingar um sólargang og myrkur og gang tunglsins, nokkrar nætur fram í tímann.
lang	is	íslenska
	en	enska

### XML skeyti

Helstu atriði:

- Dagssetningar eru á forminu: YYYY-MM-DD og tímasetningar á forminu hh:mm
- Ef gögn er ekki til reiðu af einhverjum orsökum þá eru viðkomandi tög tóm

Dæmi um gilt svar er:

```
<aurora>
<night_data>
<evening_date>15-03-02</evening_date>
<activity_forecast>4</activity_forecast>
<sun>
<sunset>18:48</sunset>
```

```
<darkness>19:36</darkness>

<dawn>07:42</dawn>

<sunrise>08:30</sunrise>

</sun>

<moon>

<age>12</age>

<schedule_type>3</schedule_type>

<schedule_description>Moon sets</schedule_description>

<moonset>07:36</moonset>

<moonrise/>

</moon>

</night_data>

<night_data>

<evening_date>15-03-03</evening_date>

<activity_forecast>4</activity_forecast>

<sun>

<sunset>18:51</sunset>

<darkness>19:39</darkness>

<dawn>07:38</dawn>

<sunrise>08:26</sunrise>

</sun>

<moon>

<age>13</age>

<schedule_type>3</schedule_type>

<schedule_description>Moon sets</schedule_description>

<moonset>07:51</moonset>

<moonrise/>

</moon>

</night_data>
```

```
<night_data>
<evening_date>15-03-04</evening_date>
<activity_forecast>3</activity_forecast>
<sun>
<sunset>18:54</sunset>
<darkness>19:42</darkness>
<dawn>07:35</dawn>
<sunrise>08:23</sunrise>
</sun>
<moon>
<age>14</age>
<schedule_type>3</schedule_type>
<schedule_description>Moon sets</schedule_description>
<moonset>08:03</moonset>
<moonrise/>
</moon>
</night_data>
<night_data>
<evening_date>15-03-05</evening_date>
<activity_forecast/>
<sun>
<sunset>18:57</sunset>
<darkness>19:45</darkness>
<dawn>07:32</dawn>
<sunrise>08:19</sunrise>
</sun>
<moon>
<age>15</age>
```

```
<schedule_type>4</schedule_type>
<schedule_description>Moon rises and sets</schedule_description>
<moonrise>19:07</moonrise>
<moonset>08:14</moonset>
</moon>
</night_data>
<night_data>
<evening_date>15-03-06</evening_date>
<activity_forecast/>
<sun>
<sunset>19:00</sunset>
<darkness>19:48</darkness>
<dawn>07:28</dawn>
<sunrise>08:16</sunrise>
</sun>
<moon>
<age>16</age>
<schedule_type>2</schedule_type>
<schedule_description>Moon rises</schedule_description>
<moonrise>20:23</moonrise>
<moonset/>
</moon>
</night_data>
<night_data>
<evening_date>15-03-07</evening_date>
<activity_forecast/>
<sun>
<sunset>19:03</sunset>
<darkness>19:51</darkness>
```

```
<dawn>07:25</dawn>
<sunrise>08:12</sunrise>
</sun>
<moon>
<age>17</age>
<schedule_type>2</schedule_type>
<schedule_description>Moon rises</schedule_description>
<moonrise>21:39</moonrise>
<moonset/>
</moon>
</night_data>
<night_data>
<evening_date>15-03-08</evening_date>
<activity_forecast/>
<sun>
<sunset>19:06</sunset>
<darkness>19:54</darkness>
<dawn>07:21</dawn>
<sunrise>08:09</sunrise>
</sun>
<moon>
<age>18</age>
<schedule_type>2</schedule_type>
<schedule_description>Moon rises</schedule_description>
<moonrise>22:55</moonrise>
<moonset/>
</moon>
</night_data>
```

```
<night_data>
<evening_date>15-03-09</evening_date>
<activity_forecast/>
<sun>
<sunset>19:09</sunset>
<darkness>19:57</darkness>
<dawn>07:18</dawn>
<sunrise>08:05</sunrise>
</sun>
<moon>
<age>19</age>
<schedule_type>2</schedule_type>
<schedule_description>Moon rises</schedule_description>
<moonrise>00:12</moonrise>
<moonset/>
</moon>
</night_data>
<night_data>
<evening_date>15-03-10</evening_date>
<activity_forecast/>
<sun>
<sunset>19:12</sunset>
<darkness>20:00</darkness>
<dawn>07:14</dawn>
<sunrise>08:02</sunrise>
</sun>
<moon>
<age>20</age>
<schedule_type>2</schedule_type>
```

```
<schedule_description>Moon rises</schedule_description>
<moonrise>01:29</moonrise>
<moonset/>
</moon>
</night_data>
<night_data>
<evening_date>15-03-11</evening_date>
<activity_forecast/>
<sun>
<sunset>19:15</sunset>
<darkness>20:03</darkness>
<dawn>07:11</dawn>
<sunrise>07:58</sunrise>
</sun>
<moon>
<age>21</age>
<schedule_type>2</schedule_type>
<schedule_description>Moon rises</schedule_description>
<moonrise>02:43</moonrise>
<moonset/>
</moon>
</night_data>
</aurora>
```