

# Python TIGGE examples

- [TIGGE Pressure levels Control Forecast](#)
- [TIGGE Surface Perturbed Forecast](#)



See [Brief request syntax](#) to understand each keyword.

## TIGGE Pressure levels Control Forecast

10m u wind component, 10m v wind component, from NCEP. All pressure levels.

[ECMWF Public Dataset web interface](#)

```
#!/usr/bin/env python
from ecmwfapi import ECMWFDataServer

server = ECMWFDataServer()

server.retrieve({
    'origin'      : "kwbc",
    'levelist'    : "200/250/300/500/700/850/925/1000",
    'levtype'     : "pl",
    'expver'      : "prod",
    'dataset'     : "tigge",
    'step'        : "0/6/12/18/24/30",
    'grid'        : "0.5/0.5",
    'param'       : "131/132",
    'time'        : "00/06/12/18",
    'date'        : "2014-10-01",
    'type'        : "cf",
    'class'       : "ti",
    'target'      : "tigge_2014-10-01_00061218.grib"
})
```

## TIGGE Surface Perturbed Forecast

2m temperature. 01 NOV 2014, from ECMWF

[ECMWF Public Dataset web interface](#)

```
#!/usr/bin/env python
from ecmwfapi import ECMWFDataServer

server = ECMWFDataServer()

server.retrieve({
    'origin'      : "ecmf",
    'levtype'     : "sfc",
    'number'      : "1/2/3/4/5/6/7/8/9/10/11/12/13/14/15/16/17/18/19/20/21/22/23/24/25/26/27/28/29/30/31/32/33/34/35/36/37/38/39/40/41/42/43/44/45/46/47/48/49/50",
    'expver'      : "prod",
    'dataset'     : "tigge",
    'step'        : "0/6/12/18",
    'grid'        : "0.5/0.5",
    'param'       : "167",
    'time'        : "00/12",
    'date'        : "2014-11-01",
    'type'        : "pf",
    'class'       : "ti",
    'target'      : "tigge_2014-11-01_0012.grib"
})
```

from rjtd, Tokio, Japan

```
#!/usr/bin/env python
from ecmwfapi import ECMWFDataServer

server = ECMWFDataServer()

server.retrieve({
    'origin'      : "rjtd",
    'levtype'     : "sfc",
    'number'      : "1/2/3/4/5/6/7/8/9/10/11/12/13/14/15/16/17/18/19/20/21/22/23/24/25/26",
    'expver'      : "prod",
    'dataset'     : "tigge",
    'step'        : "0/6/12/18",
    'grid'        : "0.5/0.5",
    'param'       : "167",
    'time'        : "00/12",
    'date'        : "2014-11-01",
    'type'        : "pf",
    'class'       : "ti",
    'target'      : "tigge_2014-11-01_0012.grib"
})
```

from rksl, Korea:

```
#!/usr/bin/env python
from ecmwfapi import ECMWFDataServer

server = ECMWFDataServer()

server.retrieve({
    'origin'      : "rksl",
    'levtype'     : "sfc",
    'number'      : "1/2/3/4/5/6/7/8/9/10/11/12/13/14/15/16/17/18/19/20/21/22/23",
    'expver'      : "prod",
    'dataset'     : "tigge",
    'step'        : "0/6/12/18",
    'grid'        : "0.5/0.5",
    'param'       : "167",
    'time'        : "00/12",
    'date'        : "2014-11-01",
    'type'        : "pf",
    'class'       : "ti",
    'target'      : "tigge_2014-11-01_0012.grib"
})
```