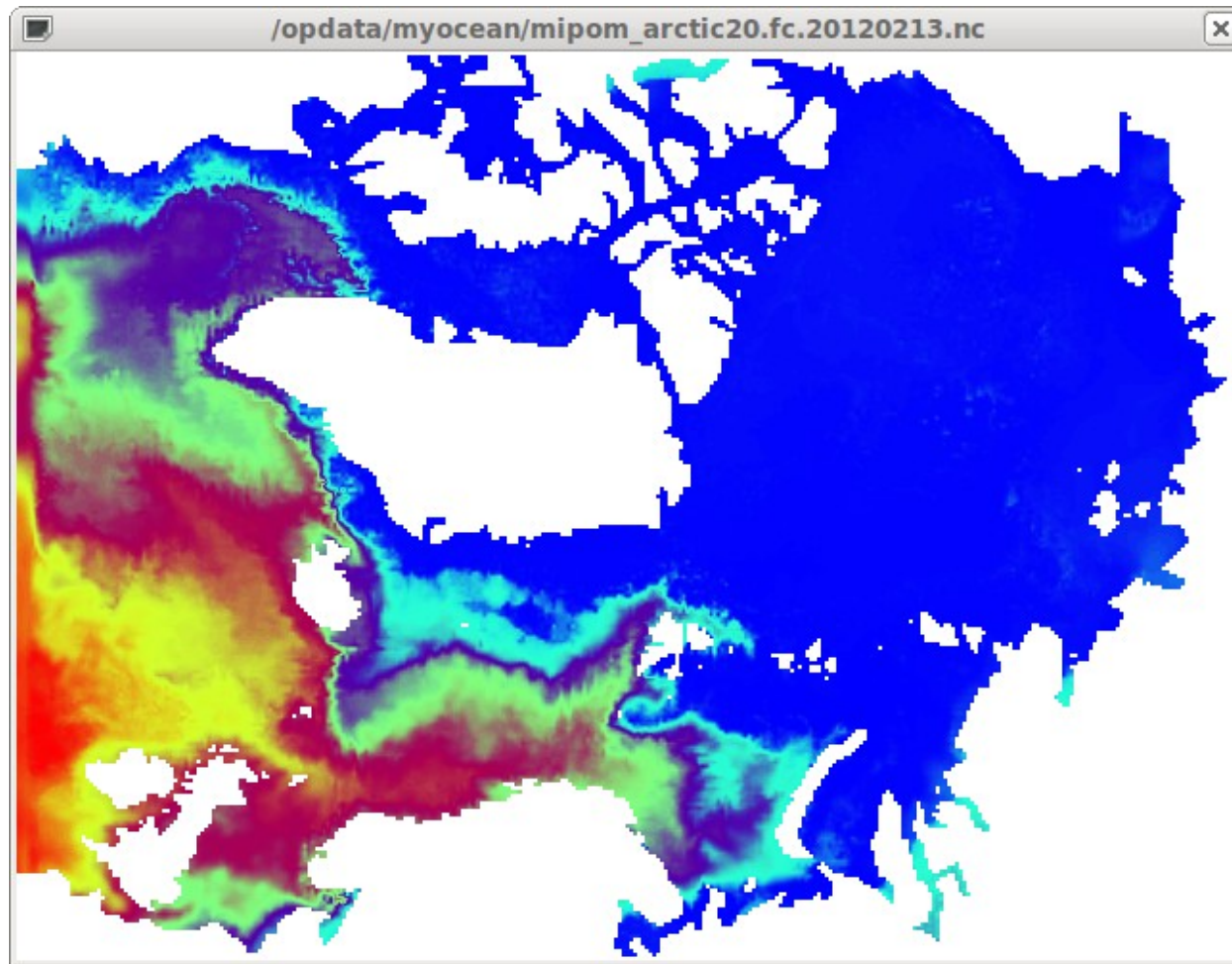


Fimex i routine (SMS)





Search...

What:

Where:

Status:

Type:

Special:

Close Search...

Search results

Search results

```

routine /metop/mod00/products/fimes_artillery
routine /metop/mod00/products/fimes_artillery:TASK
routine /metop/mod00/products/fimes_artillery:SMSNAME
routine /metop/mod00/products/fimes_artillery:SMSSCRIPT
routine /metop/mod00/products/fimes_artillery:SMSJOB
routine /metop/mod00/products/fimes_artillery:SMSJOBOUT
routine /metop/mod00/products/fimes_proff_default
routine /metop/mod00/products/fimes_proff_default:TASK
routine /metop/mod00/products/fimes_proff_default:SMSNAME
routine /metop/mod00/products/fimes_proff_default:SMSSCRIPT
routine /metop/mod00/products/fimes_proff_default:SMSJOB
routine /metop/mod00/products/fimes_proff_default:SMSJOBOUT
routine /metop/mod00/products/fimes_um4_NVE
routine /metop/mod00/products/fimes_um4_NVE:TASK
routine /metop/mod00/products/fimes_um4_NVE:SMSNAME
routine /metop/mod00/products/fimes_um4_NVE:SMSSCRIPT
routine /metop/mod00/products/fimes_um4_NVE:SMSJOB
routine /metop/mod00/products/fimes_um4_NVE:SMSJOBOUT
routine /metop/mod00/products/fimes_proff_default_NVE
routine /metop/mod00/products/fimes_proff_default_NVE:TASK
routine /metop/mod00/products/fimes_proff_default_NVE:SMSNAME
routine /metop/mod00/products/fimes_proff_default_NVE:SMSSCRIPT
routine /metop/mod00/products/fimes_proff_default_NVE:SMSJOB
routine /metop/mod00/products/fimes_proff_default_NVE:SMSJOBOUT
routine /metop/mod00/products/fimes_proff_t2m500yrKF_NVE
routine /metop/mod00/products/fimes_proff_t2m500yrKF_NVE:trigger
routine /metop/mod00/products/fimes_proff_t2m500yrKF_NVE:TASK
routine /metop/mod00/products/fimes_proff_t2m500yrKF_NVE:SMSNAME
routine /metop/mod00/products/fimes_proff_t2m500yrKF_NVE:SMSSCRIPT
routine /metop/mod00/products/fimes_proff_t2m500yrKF_NVE:SMSJOB
routine /metop/mod00/products/fimes_proff_t2m500yrKF_NVE:SMSJOBOUT
routine /metop/mod06/products/fimes_artillery
routine /metop/mod06/products/fimes_artillery:TASK
routine /metop/mod06/products/fimes_artillery:SMSNAME
routine /metop/mod06/products/fimes_artillery:SMSSCRIPT
routine /metop/mod06/products/fimes_artillery:SMSJOB
routine /metop/mod06/products/fimes_artillery:SMSJOBOUT
routine /metop/mod06/products/fimes_um4_NVE
routine /metop/mod06/products/fimes_um4_NVE:TASK
routine /metop/mod06/products/fimes_um4_NVE:SMSNAME
routine /metop/mod06/products/fimes_um4_NVE:SMSSCRIPT
routine /metop/mod06/products/fimes_um4_NVE:SMSJOB
routine /metop/mod06/products/fimes_um4_NVE:SMSJOBOUT
routine /metop/mod12/products/fimes_artillery

```

Collect all nodes Close Clear & Close

Bruk i sms nå

11 aktive unike sms-script:

```
metop/mod00/products/fimex_um4_NVE pl
metop/mod00/roms/post_Nordic_4km_ROMS pl
metop/mod00/products/fimex_proff_default pl
metop/mod00/products/fimex_proff_default_NVE pl
metop/mod00/myocean/prepare_hirlam12 pl
metop/mod00/products/fimex_artillery pl
metop/mod00/products/fimex_proff_default pl
metop/mod00/products/fimex_proff_default_NVE pl
metop/mod00/products/fimex_um4_NVE pl
metop/mod00/roms/post_Nordic_4km_ROMS pl
trigjobs/uv/prep_uviest pl
```

61 kjøringar 13.02.2012:

```
% grep -c -i Fimex */log/*.log-1 | grep -v ":0"
diverse/log/diverseXX.log-1:149
myocean/log/myocean00.log-1:18
myocean/log/myocean06.log-1:11
products/log/products00.log-1:36
products/log/products06.log-1:16
products/log/products12.log-1:36
products/log/products18.log-1:16
roms/log/roms00.log-1:5
uv/log/uvXX.log-1:2
```

26 script med "Fimex" i teksten:

```
% grep -i -c Fimex */job/*.sms | grep -v ":0"
myocean/job/prepare_hirlam12.sms:32
myocean/job/prepare_mipom_arctic.sms:32
myocean/job/prepare_mipom_bio20_amm7.sms:32
myocean/job/prepare_mipom_bio4.sms:32
myocean/job/prepare_myocean.sms:32
myocean/job/prepare_nordic4_amm7.sms:32
myocean/job/prepare_nordic4.sms:32
myocean/job/prepare_wam10.sms:32
nordrad/job/felt2nc_radarfelt_32h.sms:4
nordrad/job/felt2nc_radarfelt.sms:4
nordrad/job/fimex_radarfelt_32h.sms:6
products/job/fimex_artillery.sms:5
products/job/fimex_ec_global.sms:10
products/job/fimex_ec.sms:9
products/job/fimex_f20arctic.sms:7
products/job/fimex_frohavet.sms:6
products/job/fimex_h12.sms:10
products/job/fimex_proff_default.sms:13
products/job/fimex_proff_NVE.sms:15
products/job/fimex_radar1h_NVE.sms:15
products/job/fimex_um4_NVE.sms:13
proff/job/fimex_proff_NVE.sms:15
proff_test/job/fimex_radarfelt_32h.sms:6
roms/job/post_Nordic_4km_ROMS.sms:5
sea/job/fetch_UK_ORCA025.sms:1
uv/job/prep_uviest.sms:12
```

/opdata/sea/f20Arctic00.dat

| (Parameter) - Name | Analysis basedate - Area Analysis/Forecast Hour(s) | (LvlTyp) Descr Level(s) |
|--|--|--|
| /opdata/sea/f20Arctic00.dat (360.96 Mb) | | |
| Producer(s): 88 Gridarea/Gridtype(s): 903/1 | | |
| (302) u strøm-komponent i x-retning m/s (303) v strøm-komponent i y-retning m/s (307) saltholdighet promille (308) sjøtemperatur C | 2012-02-12 12:00 - 903 -30, -24, -18, -12, -6, 0, 6, 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72, 78, 84, 90, 96, 102, 108, 114, 120, 126, 132, 138, 144, 150, 156, 162, 168 | (5) z (dyp, hav) 0, 10, 25, 50, 75, 100, 500, 1000 |
| (58) Mean Sea Level pressure hPa (mb) (184) Albedo % (302) u strøm-komponent i x-retning m/s (303) v strøm-komponent i y-retning m/s (309) x-komp. av surface stress/dens m^2/s^2 (310) y-komp. av surface stress/dens m^2/s^2 (340) is-konsentrasjon prosent (341) is-tykkelse m (342) u isdrivthastighet i x-retning m/s (343) v isdrivthastighet i y-retning m/s (347) Snow_thickness (348) ? (349) WTSURF (350) ? (351) bunntopografi m (352) alfaF | 2012-02-12 12:00 - 903 -30, -24, -18, -12, -6, 0, 6, 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72, 78, 84, 90, 96, 102, 108, 114, 120, 126, 132, 138, 144, 150, 156, 162, 168 | (8) bakke/overflate 0 |
| (302) u strøm-komponent i x-retning m/s (303) v strøm-komponent i y-retning m/s (308) sjøtemperatur C | 2012-02-12 12:00 - 903 -30, -29, -28, -27, -26, -25, -24, -23, -22, -21, -20, -19, -18, -17, -16, -15, -14, -13, -12, -11, -10, -9, -8, -7, -6, -5, -4, -3, -2, -1, 0, 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, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168 | (5) z (dyp, hav) 3 |
| (301) overflatehevning/ skilleflater m | 2012-02-12 12:00 - 903 -30, -29, -28, -27, -26, -25, -24, -23, -22, -21, -20, -19, -18, -17, -16, -15, -14, -13, -12, -11, -10, -9, -8, -7, -6, -5, -4, -3, -2, -1, 0, 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, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168 | (8) bakke/overflate 0 |
| (353) alfaU | 2012-02-12 12:00 - 903 0 | (8) bakke/overflate 0 |

Del opp data

```
my %model_data = (  
  
'mipom_arctic' => { 'infile' => "$seadir/f20Arctic00.dat",  
                    'ingrid' => "88,903,1",  
                    'fimex' => "cdmWriterConfig_arctic20.xml",  
                    'generate' => { 'static' => { 'copflt' => "copflt_arctic20_st.inp",  
                                                'fltfile' => "mipom_arctic20.static.flt",  
                                                'ncfile' => "mipom_arctic20.static.NC",  
                                                # 'keepflt' => 1,  
                                            },  
                    'analysis' => { 'copflt' => "copflt_arctic20_an.inp",  
                                    'fltfile' => "mipom_arctic20.an.YYYYMMDD.flt",  
                                    'ncfile' => "mipom_arctic20.an.YYYYMMDD.nc",  
                                    # 'keepflt' => 1,  
                                },  
                    'forecast' => { 'copflt' => "copflt_arctic20_fc.inp",  
                                    'fltfile' => "mipom_arctic20.fc.YYYYMMDD.flt",  
                                    'ncfile' => "mipom_arctic20.fc.YYYYMMDD.nc",  
                                    # 'keepflt' => 1,  
                                },  
                    },  
},  
  
},
```

```
my $fimexconf = "felt2nc_variables.xml";
```

Script det

```
# Make the date a part of the filename
$feltfile =~ s/YYYYMMDD/$analysisdate/;
$ncfile  =~ s/YYYYMMDD/$analysisdate/;

#
# Make a FELT-file with excerpts from the model
#
if ( $scopfltinp ne "" ) {
    print "\nExtracting $type fields into feltfile\n";
    my $cmd = "copflt $setcdir/$scopfltinp $infile $feltfile $ingrid"; print "$cmd\n";
    system( $cmd );
}
#
# Make netCDF-file as an exact copy of the FELT-file
#
if ( $fimexinp ne "" ) {
    print "\nConverting feltfile to netcdf\n";
    my $cmd = "fimex --input.file=$feltfile --input.config=$setcdir/$fimexconf".
        " --output.file=$ncfile --output.config=$setcdir/$fimexinp"; print "$cmd\n";
    system( $cmd );
}
```

Kjør det

Extracting forecast fields into feltfile

```
copflt /metno/routine/metop/myocean/etc/copflt_arctic20_fc.inp  
/opdata/sea/f20Arctic00.dat mipom_arctic20_fc.20120212.flt 88,903,1  
reading input file: /metno/routine/metop/myocean/etc/copflt_arctic20_fc.inp  
input o.k.  
output file: mipom_arctic20_fc.20120212.flt  
date/time from: /opdata/sea/f20Arctic00.dat  
date/time:           2012           2           12           12  
read fields from file: /opdata/sea/f20Arctic00.dat  
input  grid:      88      903      320      240  20900  12850      200      58  
output grid:      88      903      320      240  20900  12850      200      58  
finished.  
record 1, word  1 - 11 :  
   999  2012   213   228  2012   212  1200 13221    19  1036  1036
```

Converting feltfile to netcdf

```
fimex --input.file=mipom_arctic20_fc.20120212.flt \  
--input.config=/metno/routine/metop/myocean/etc/felt2nc_variables.xml \  
--output.file=mipom_arctic20_fc.20120212.nc \  
--output.config=/metno/routine/metop/myocean/etc/cdmWriterConfig_arctic20.xml
```

`/opdata/myocean/mipom_arctic20.fc.20120212.nc`

| Parameter | Analysis/Forecast Hour(s) | Depth/height |
|---|---|--|
| <code>/opdata/myocean/mipom_arctic20.fc.20120212.nc (218.57 Mb)</code> | | |
| short sea_surface_height(time, y, x) float sea_water_x_velocity(time, depth, y, x) float sea_water_y_velocity(time, depth, y, x) short salinity(time, depth, y, x) short sea_temperature(time, depth, y, x) short sea_ice_concentration(time, y, x) short sea_ice_thickness(time, y, x) short x_ice_velocity(time, y, x) short y_ice_velocity(time, y, x) | 2012/02/12 18:00 0, 6, 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72, 78, 84, 90, 96, 102, 108, 114, 120, 126, 132, 138, 144, 150, 156, 162 | depth = 0, 10, 25, 50, 75, 100, 500, 1000 surface = 0 |

Generated by `/home/arildb/bin/ncinfo 1.10` at Mon Feb 13 18:20:59 CET 2012

cdmWriterConfig_arctic20.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE cdm_ncwriter_config SYSTEM "cdmWriterConfig.dtd">
<cdm_ncwriter_config>
<attribute name="title" value="Mipom Arctic 20 km seaice and ocean forecast" type="string" />
<attribute name="abstract" value="The met.no operational coupled ice-ocean model
MI-POM, MI-IM Arctic is run on a 20 km polar-sterographic grid covering the Arctic Ocean
and Nordic Seas. The model is run daily with ECMWF atmospheric forcing and climatological river runoff forcing to
give forecasts of temperature, salinity,
currents, water level, ice concentration, ice thickness and ice drift to +168 hrs."
type="string" />
<attribute name="topicCategory" value="oceans" type="string" />
<attribute name="keywords" value="forecast, sea, ice, assimilation, temperature,
salinity, currents" type="string" />
<attribute name="Product_name" value="Coupled MI-POM, MI-IM model" type="string" />
<attribute name="software_version" value="?" type="string" />
<attribute name="source" value="MI-POM/MI-IM" type="string" />
<attribute name="references"
value="http://met.no/english/r_and_d_activities/method/num_mod/mi_im.html
http://met.no/english/r_and_d_activities/method/num_mod/mi_pom.html"
type="string" />
<attribute name="area" value="Arctic Ocean, Nordic Seas" type="string" />
<attribute name="forecast_type" value="forecast" type="string" />
<attribute name="PI_name" value="Bruce Hackett" type="string" />
<attribute name="contact" value="bruce.hackett@met.no" type="string" />
<attribute name="distribution_statement" value="public" type="string" />
<attribute name="operational_status" value="operational" type="string" />
<attribute name="institution_web_site" value="http://met.no" type="string" />
<attribute name="project_web_site" value="http://myocean.met.no/" type="string" />
</cdm_ncwriter_config>
```

felt2nc_variables.xml

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE cdm_felt_config SYSTEM "felt2nc_variables.dtd">
<cdm_felt_config>
<global_attributes>
  <attribute name="Conventions" value="CF-1.0" type="string" />
  <attribute name="institution" value="Norwegian Meteorological Institute, met.no" type="string" />
  <attribute name="source" value="HIRLAM" type="string" />
  <attribute name="title" value="unknown" type="string" />
  <attribute name="min_time" value="%MIN_DATETIME(%Y-%m-%d %H:%M:%SZ)%" type="string" />
  <attribute name="max_time" value="%MAX_DATETIME(%Y-%m-%d %H:%M:%SZ)%" type="string" />
  <attribute name="references" value="unknown" type="string" />
  <attribute name="history" value="unknown" type="string" />
  <attribute name="comment" value="none" type="string" />
</global_attributes>
<axes>
<time id="time" name="time" type="double">
  <attribute name="long_name" value="time" type="string" />
  <attribute name="standard_name" value="time" type="string" />
  <attribute name="units" value="seconds since 1970-01-01 00:00:00 +00:00" type="string" />
</time>
<!-- polar-stereographic at 60deg -->
<spatial_axis projection_felt_id="1" id="x" name="x" type="double">
  <attribute name="long_name" value="X-coordinate in Cartesian system" type="string" />
  <attribute name="standard_name" value="projection_x_coordinate" type="string" />
  <attribute name="units" value="m" type="string" />
  <attribute name="axis" value="X" type="string" />
</spatial_axis>
<spatial_axis projection_felt_id="1" id="y" name="y" type="double">
  <attribute name="long_name" value="Y-coordinate in Cartesian system" type="string" />
  <attribute name="standard_name" value="projection_y_coordinate" type="string" />
  <attribute name="units" value="m" type="string" />
  <attribute name="axis" value="Y" type="string" />
</spatial_axis>
```

Husk attributter

```
<parameter id="337,5" name="mean_sea_water_salinity">  
  <attribute name="_FillValue" value="-32767" type="short" />  
  <attribute name="valid_min" value="0" type="short" />  
  <attribute name="cell_methods" value="time: point" type="string" />  
  <attribute name="long_name" value="Mean Sea water salinity" type="string" />  
  <attribute name="standard_name" value="sea_water_salinity" type="string" />  
  <attribute name="units" value="1e-3" type="string" />  
</parameter>  
<parameter id="337,8,0" name="mean_sea_water_salinity">  
  <attribute name="_FillValue" value="-32767" type="short" />  
  <attribute name="valid_min" value="0" type="short" />  
  <attribute name="cell_methods" value="time: point" type="string" />  
  <attribute name="long_name" value="Mean Sea surface salinity" type="string" />  
  <attribute name="standard_name" value="sea_surface_salinity" type="string" />  
  <attribute name="units" value="1e-3" type="string" />  
</parameter>
```

Fallgruver

- dimensions:
time = UNLIMITED ; // (28 currently)
- short salinity(time, depth, y, x) ;
salinity:scale_factor = 0.01f ;
- Produksjonsavvik