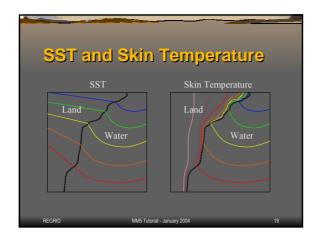
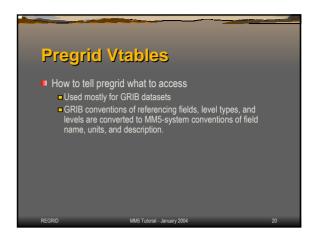
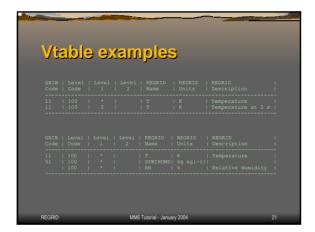


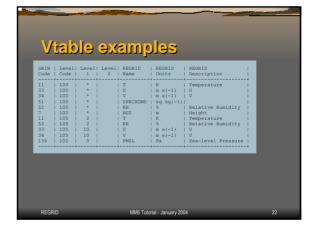
V RH	*	Grid-relative u component of the horizontal wind (m s <sup>-1</sup> )  Grid-relative v component of the horizontal wind (m s <sup>-1</sup> )
RH		Grid-relative v component of the horizontal wind (m s-1)
	-	Charletative v component of the nonzontal wind (m 3 )
	lî.	Relative Humidity (%)
HGT	*	Geopotential height (gpm)
PMSL	*	Sea-level pressure (Pa)
SST or TSEASFC	**	Sea-surface Temperature (K)
SKINTEMP	**	Skin Temperature (K)
SNOWCOVR		Binary flag: snow (1.0) or no snow (0.0) on the ground
SOILT<###>		Ground temperature of a layer below ground (K)
SOILM<###>		Soil Moisture of a layer below ground (m³ m³)
SEAICE		Binary flag: sea ice (1.0) or no sea ice (0.0) on the water
LANDSEA		Binary flag: land (1.0) or water (0.0)
SOILHGT		Terrain elevation of input data set (m)
LANDSEA		Binary flag: land (1.0) or water (0.0)

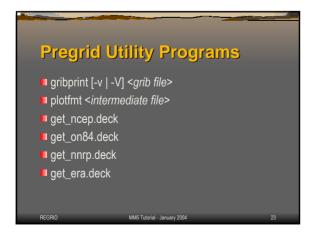
WEASD		Water equivalent of accumulated snow depth (kg m <sup>-2</sup> )
SPECHUMD	_	Specific Humidity (kg kg <sup>-1</sup> )
DEWPT	_	Dewpoint (K)
DEPR	_	Dewpoint depression (K)
VAPP	<b>A</b>	Vapor Pressure (Pa)
GEOPT	_	Geopotential (m <sup>2</sup> s <sup>-2</sup> )









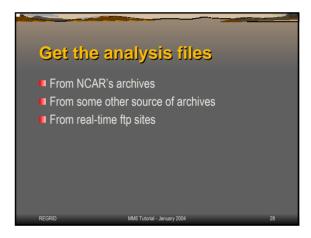












```
pregrid.csh

Shell script designed as a higher-level user interface for the pregrid programs.
```

```
Specify the source of SST analyses

at SACSST = ONS6

at SACSST = ONS7

at SACSST = NACKP

at SACSST = SSRC3D

INSST: Tell the program where the files with SST analyses are, bo
this only if SST analyses are coming from files not named above in
InFiles. If SACSST has the value "GRIP", then the Vables you
specify below in the script variable VTSST will be used to interpret
the files you specify in the ${InSST} variable.

set INSST = { }

Select the source of snow-cover analyses (entirely optional)

set SACSNOW = $SAC3D

set SACSNOW = ON84

set SACSNOW = GRIB

INSNOW: Set INSNOW only if the snow-cover analyses are from files
not listed in InFiles. If SACSNOW has the value "GRIP", then the
Vables you specify below in the script variable VTSNOW will be used
to interpret the files you specify in the ${InSnow} variable.

set INSNOW = ()
```

```
Select the source of soil model analyses (entirely optional)

set SRCSOIL = SRCSO

InSoil: Set InSoil only if the soil analyses are from files
not listed in InFiles. If SRCSOIL has the value "GRIB", then the
Vtables you specify below in the script variable VTSOIL will be
used to interpret the files you specify in the $(InSoil) variable.

set InSoil = ()

Build the Namelist

if ( -e ./pregrid.namelist ) then
rm ./pregrid.namelist ) then
rm ./pregrid.namelist ) then
cat << Knd of Hamelist | sed -e 's/*.*//; s/ *$// > ./pregrid.namelist
scatecordl

Set the starting date of the time period you want to process:

START THAN = 1993 * Year (Four digits)
START TONT = 03 * Meanth ol = 12
START TONT = 03 * Meanth ol = 2
START TONT = 03 * Meanth ol = 2
START TONT = 03 * Meanth ol = 2
START TONT = 03 * Meanth ol = 2
START TONT = 03 * Meanth ol = 2
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START TONT = 03 * Meanth ol = 2
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START TONT = 03 * Meanth ol = 2
START TONT = 04 * Meanth ol = 2
START TONT = 05 * Meanth ol = 2
START TONT = 05 * Meanth ol = 2
START TONT = 05 * Meanth ol = 2
START TONT = 00 * Meant (00 - 23)

REGRED ***

MAN START TONT = 00 * Meant (00 - 23)

REGRED ***

MAN START TONT = 00 * Meanth ol = 2
START TONT = 000 * Meanth ol = 2
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```

```
Define the time interval to process.

INTERVAL = 43200 % Time interval (seconds) to process.

This is most samely the same as the time interval for this is most samely the same as the time interval for your regridding pleasure.

// Total time and/or skip over time periods for your regridding pleasure.

Tell the pregrid programs which Vtables to use. Do this only if you have selected GRIB-formatted input using SRC = GRIB above. The directories referenced here are relative to RRGEID/pregrid/.

The Vtable files specified in VT3D will be applied to the files specified in the InFiles variable. Similarly, the Vtable files specified in VTSST, VTSNOW, and VTSOIL will be applied to the files instead above in InSST, INSNOW, and InSoil, respectively.

set VT3D = ( grib.mise/Vtable.NNRPSST )
set VTSNOW = ( grib.mise/Vtable.XNXSNOW )
set VTSOIL = ( grib.mise/Vtable.XNXSNOW )
```



```
namelist.input RECORD1
START_YEAR: 4-digit year
START_MONTH: 2-digit month of year
START DAY:
                2-digit day of month
START_HOUR: 2-digit hour of day
■ END YEAR:
                4-digit year
END_MONTH:
                2-digit month of year
■ END_DAY:
                2-digit day of month
■ END HOUR:
                2-digit hour of day
■ INTERVAL:
                Seconds between times to process
```

```
namelist RECORD1 example

arecord1
start_year = 1993
start month = 03
start Day = 13
start_Hour = 00

end_year = 1993
end_month = 03
end_day = 14
end_Hour = 00

interval = 43200

/

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```

## namelist.input RECORD2 ■ ptop\_in\_Pa: ■ Pressure level (in Pa) of the highest level you want to process. This level must exist in the input data. ■ new\_levels\_in\_Pa: ■ List of new pressure levels (not already in the input data) that you want to add to the regridder processing ■ sst\_to\_ice\_threshold: ■ SST below which the water will be considered sea-ice. ■ linear\_interpolation ■ Logical flag to use 4-point bilinear interpolation (.TRUE.) or 16-point overlapping parabolic interpolation (.FALSE.)

```
namelist.input RECRD3

■ root:

■ What files to look for. A list of path-names to the intermediate files created by pregrid, up to but not including the ".". Date information is generated internally by regridder and tacked onto the root names you provide.

■ constants_full_name:

■ The complete path-name of a file that has fields which are to be kept constant for all time periods.

■ terrain_file_name:

■ The complete path-name of the terrain file created by program TERRAIN. Most often this will be "TERRAIN_DOMAIN1".
```

```
namelist RECORD3 example

GRECORD3

root = '../pregrid/FILE', ../pregrid/SNOW'
constants_full_name = './SST_CONSTANT'
terrain_file_name = './TERRAIN_DOMAIN1'

/

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```

```
RECRID

ARECORD4

print_echo
print_debug = .FALSE.
print mask = .FALSE.
print_linterp = .FALSE.
print_lint_list_store = .FALSE.
print_array_store = .FALSE.
print_baser = .FALSE.
print_output = .FALSE.
print_file = .FALSE.
print_file = .FALSE.
print_file = .FALSE.

Print_file = .FALSE.

Print_file = .FALSE.

Print_file = .FALSE.
```

```
Compleie regridder namelisi

trecord:
start.year = 1993
start.month = 03
start.day = 13
start.day = 13
start.day = 1993
end_month = 03
end_day = 14
end_hour = 00
interval = 43200

/

frecord2
ptop_in_Pa = 10000
new_levels_in_Pa = 97500 , 95000 , 92500 , 90000 ,
77500 , 75000 , 72500 , 70000 ,
67500 , 65000 , 62500 , 60000 ,
77500 , 55000 , 72500 , 50000 ,
67500 , 55000 , 52500 , 50000 ,
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