

SWiFT_Multifile

April 6, 2022

1 SWiFT Multifile

Demonstration of some of the mmctools functions and standards for postprocessing WRF-LES output. Also includes examples of MMC spectra and correlation lengthscale functions.

1.1 Preamble

Set file paths, enter physical constants, import modules, etc...

1.1.1 Import modules

```
[1]: import glob
import os, re

# Well-known python modules (i.e., available through conda)

import numpy as np
import xarray as xr
from matplotlib import pyplot as plt

import glob
import os
import sys

# Less well-known

import wrf #as wrf

module_path = os.path.join(os.environ['HOME'], 'mmc/mmc_github_clones/mmctools/')
#module_path = os.path.join(os.environ['HOME'], 'mmc/mmc_github_clones/')
↪
if module_path not in sys.path:
    sys.path.append(module_path)
import mmctools
```

1.1.2 Physical constants and other parameters

```
[2]: g = 9.81 #[m/s/s], gravitational constant
```

1.1.3 User-defined functions

```
[3]: #####
# Postprocess WRF output
#####
#
#
#   The purpose of this function is to take the DataSet that is produced from
#   an xarray 'open_mfdataset'
#   function call and to modify it to work well with mmctools functions.
#   This includes:
#       -Renaming dimensions and coordinates to code standards
#       -Computing 1-D Z [m] variable and assigning it as a coordinate
#       -Destaggering winds
#       -Returns only the requested variables (optional)
#       -Truncates the simulation output at some height (optional)

def postprocess_wrf_outout( ds, variable_list = ['U', 'V', 'W', 'T', 'UST'],
    z_max = None ):
    """
    Changes coordinate, dimension, and variable names, computes z, destaggers
    wind fields.
    ds: Xarray Dataset. Default from open_mfdataset on all WRF variables

    z_max: maximum z (float). If defined, any model output above this
    height will be truncated. Default is None.
    """

    # Rename dims, and drop XLAT/XLONG coords (since they're all 0 for an
    idealized run)
    print("Renaming dims...")
    ds = ds.rename_dims( {'west_east': 'nx', 'south_north': 'ny', 'bottom_top':
    'nz',
        'west_east_stag': 'nx_stag', 'south_north_stag': 'ny_stag',
    'bottom_top_stag': 'nz_stag'})

    ds = ds.drop(['XLAT', 'XLONG', 'XLAT_U', 'XLONG_U', 'XLAT_V', 'XLONG_V'])

    # Compute x, y, and z. Assign as coords.
    print("Computing x, and y...")
```

```

ds['x'] = ds.nx * ds.DX
ds['y'] = ds.ny * ds.DY

print('...and now z...')

ds['z_stag_4D'] = ( ds.PH + ds.PHB ) / g
ds['z_stag_1D'] = ds.z_stag_4D.mean(dim = ('nx', 'ny', 'Time') )
z1D = (ds.z_stag_1D.values[:-1] + \
        ds.z_stag_1D.values[1:] ) / 2.
ds['z1D'] = xr.DataArray( z1D, dims = 'nz' )

print("Assigning coords...")
ds = ds.assign_coords({'x': ds.x, 'y': ds.y, 'z': ds.z1D})

# Truncate above z_max
if z_max is not None:
    print(f"z_max is defined, truncating above {z_max} m")
    z_ind = np.where( ds.z1D > z_max )
    #print(z_ind)
    if len(z_ind) == 0:
        print(f"z_max = {z_max} is higher than model top")
        print("continuing")
    else:
        z_ind = z_ind[0][0]
        #print(z_ind)
        ds = ds.isel(nz = slice(0,z_ind + 1), nz_stag = slice(0,z_ind + 2) )
        print(f"Grid cells above {z_max} discarded")

else:
    print("z_max is none, processing entire domain")

print("destaggering winds...")
ds = ds.rename({'U': 'U_stag', 'V': 'V_stag', 'W': 'W_stag'})
print('...U...')
ds['U'] = wrf.destagger( ds.U_stag, stagger_dim = 3, meta = True)
print('...V...')
ds['V'] = wrf.destagger( ds.V_stag, stagger_dim = 2, meta = True)
print('...and now W...')
ds['W'] = wrf.destagger( ds.W_stag, stagger_dim = 1, meta = True)

# Grab only variables of interest
if variable_list is not None:
    print("variables_list is defined, grabbing only these variables")
    data_variables = {}
    for v in variable_list:
        data_variables[v] = ds[v]
    ds = xr.Dataset( data_vars = data_variables, coords = ds.coords)

```

```

else:
    print("Including all variables")

return ds

```

```

[4]: #####
# calc_mean_pert
#####
# Calculate bar and prime (mean and perturbation) quantities
#

def calc_mean_pert( ds, variable_list = ['U', 'V', 'W'], mean_wind_dir =
    ↪ 'periodic', ):
    '''
        Purpose of this function is to compute the mean and perturbation quantities
        ↪ for computing fluxes and stresses.

        ds: xarray Dataset. Contains the coords, dims, and variables (U,V,W)
            that have been computed by the postprocessing function above
        variable_list: array-like. Contains variable names (strings) for mean/
        ↪ perturbation quantities.
            Must be 4-D variables using x/y/z coords, error-catches are not
        ↪ implemented.
            mean_wind_dir: either 'periodic' (default) or 'zonal' (i.e. mean wind
        ↪ dir is from west to east).
            periodic: compute means on x/y planes to get mean quantities as a
        ↪ function of time and height
            zonal: mean quantities will be computed on lines of constant x, so
        ↪ mean will also be a function of x.
                this means less statistical power, and some temporal averaging
        ↪ may be required, but that is not
                accounted for in this function (yet)
    '''

    mean_str_suff = '_bar'
    pert_str_suff = '_p'

    for vv in variable_list:
        print(vv)
        mean_str = vv + mean_str_suff
        pert_str = vv + pert_str_suff

        if mean_wind_dir == 'periodic':

```

```

        print("Periodic simulation")
        ds[mean_str] = ds[vv].mean(dim = ('nx', 'ny'))
        ds[pert_str] = ds[vv] - ds[mean_str]
    elif mean_wind_dir == 'zonal':
        print("Zonal simulation, may need some temporal averaging for
↪power")
        ds[mean_str] = ds[vv].mean(dim = ('nx'))
        ds[pert_str] = ds[vv] - ds[mean_str]
    return ds

```

```

[5]: #####
# calc_stresses
#####
# Calculate stress terms
#

def calc_stresses( ds, do_uw = True, do_vw = False, do_uv = False):
    '''
    Calculate components of the Stress-Energy tensor relevant to shear
↪production of turbulence
    ds: xarray dataset.
    do_uw: Boolean (default True). If true, calculates tau13 (the u'w'
↪component of the stress energy tensor)
    do_vw: Boolean (default False). If true, calculates tau23 (the u'w'
↪component of the stress energy tensor)
    do_uv: Boolean (default False). If true, calculates tau12 (the u'w'
↪component of the stress energy tensor)
    '''
    if do_uw:
        print('calculating tau13...')
        ds['tau13'] = ( ds.U_p * ds.W_p ).mean(dim = ('nx', 'ny'))
    if do_vw:
        print('calculating tau23...')
        ds['tau23'] = ( ds.V_p * ds.W_p ).mean(dim = ('nx', 'ny'))
    if do_uv:
        print('calculating tau12...')
        ds['tau12'] = ( ds.U_p * ds.V_p ).mean(dim = ('nx', 'ny'))

    return ds

```

```

[6]: #####
# calc_tke
#####
# Calculate resolved TKE

```

```
#
def calc_tke( ds ):
    '''
    Calculates RESOLVE LES TKE. Does not compute the subgrid component.
    ds: xarray dataset.
    '''
    print("calculating TKE...")
    ds['TKE'] = 1./2. * ( ( ds.U_p**2. ).mean(dim = ('nx', 'ny')) \
                        + ( ds.V_p**2. ).mean(dim = ('nx', 'ny')) \
                        + ( ds.W_p**2. ).mean(dim = ('nx', 'ny')) )

    return ds
```

1.1.4 File paths and file names

```
[7]: #Extracting folder names

path='/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/'
pdata_loc = '/g/g92/mgf/Scratch1/Wind_Energy/Will/Data/'
fname_stem = 'wrfout_d01_0001-01-02_00*'

DX=[]
DZ=[]
ALPHA=[]

for filename in os.listdir(path):
    if filename.startswith('DX'):
        dx = re.findall("DX_(\d+)_DZ", filename)
        DX.append(int(dx[0]))
        # initializing substrings
        sub1 = "DZ_"
        sub2 = "_ALPHA"
        idx1 = filename.index(sub1)
        idx2 = filename.index(sub2)
        dz = ''
        for idx in range(idx1 + len(sub1), idx2):
            dz = dz + filename[idx]
        DZ.append(dz)
        ALPHA.append(str(round(np.int(dx[0])/np.int(dz[0]),1)))

[9]: #Example of a path name ...

path + folder + '/' + fname_stem
```

```
[9]: '/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_3.0_ALPHA_8.0/wrfout_d01_0001-01-02_00*'
```

```
[10]: #Example of searching on LC
```

```
ls /p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_3.0_ALPHA_8.0/wrfout_d01_0001-01-02_00*
```

```
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_3.0_ALPHA_8.0/wrfout_d01_0001-01-02_00:00:00
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_3.0_ALPHA_8.0/wrfout_d01_0001-01-02_00:10:00
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_3.0_ALPHA_8.0/wrfout_d01_0001-01-02_00:20:00
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_3.0_ALPHA_8.0/wrfout_d01_0001-01-02_00:30:00
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_3.0_ALPHA_8.0/wrfout_d01_0001-01-02_00:40:00
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_3.0_ALPHA_8.0/wrfout_d01_0001-01-02_00:50:00
```

1.2 Actual analysis begins (Load 4-D model output and Compute Spectra of each file)

```
[14]: #Single file for testing
```

```
folder='DX_36_DZ_18.0_ALPHA_2.0'
simulation_loc=f'/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/+{folder} +/'
pdata_3D = f'pdata_3D+ {folder} +.nc'
pdata_spectra = f'pdata_spectra+ {folder} +.nc'
pdata_loc = '/g/g92/mgf/Scratch1/Wind_Energy/Will/Data/'

if os.path.exists(simulation_loc + fname_stem[:-1] + ':00:00'):
    print('exists')

flist = glob.glob( path + folder + '/' + fname_stem )
flist.sort()

if os.path.exists(pdata_loc + pdata_3D):
    print("Process data exists")
    ds = xr.open_dataset( pdata_loc + pdata_3D )
else:
    print("Process data does not exist, reading from WRFOUT")
    ds = xr.open_mfdataset( flist, \
                           chunks = {'Time':10},
```

```

        combine = 'nested',
        concat_dim = 'Time' )
    ds = postprocess_wrf_outout( ds, z_max = 1100 ) #No subgrid stress/TKE
    ↪components
    ds = calc_mean_pert( ds )
    ds = calc_stresses( ds )
    ds = calc_tke( ds )
    if save_pdata:
        print("Saving pdata...")
        ds.to_netcdf(pdata_loc + pdata_3D)
        save_spectra_pdata = True

if os.path.exists(pdata_loc + pdata_spectra):
    print("Spectra process data exists")
    psd_ds = xr.open_dataset( pdata_loc + pdata_spectra )
else:
    from mmctools.helper_functions import calc_spectra

    print("Spectra process data missing, calculating")
    ds2 = ds.assign_coords( {'nx' : ds.nx, 'ny' : ds.ny, 'nz' : ds.nz, 'Time' :
    ↪ds.Time})
    psd_list = []
    NT = len(ds.Time)
    for tt in range(0,NT):
        print(f"Time {tt} of {NT}")
        psd_hr1_temp = calc_spectra( ds2.isel(Time = tt),\
            var_o1=['U_p', 'W_p'],\
            spectra_dim='ny',\
            #average_dim='XTIME',\
            average_dim='nx',\
            level_dim='nz',
            level = [5, 15, 25, 29]\
            )

        psd_list.append(psd_hr1_temp.mean(dim = 'nx'))

    psd_ds = xr.concat( psd_list, "Time" )
    psd_ds = psd_ds.assign_coords({"Time": ds.Time, "XTIME": ds.XTIME})

    psd_ds['z'] = xr.DataArray( ds.z[[5, 15, 25, 29]].values, dims = 'nz' )

    if save_spectra_pdata:
        print("Saving spectra process data")
        psd_ds.to_netcdf( pdata_loc + pdata_spectra )

```

Process data does not exist, reading from WRFOUT


```

/g/g92/mgf/my_personal_env/lib/python3.7/site-
packages/xarray/coding/times.py:426: SerializationWarning: Unable to decode time
axis into full numpy.datetime64 objects, continuing using cftime.datetime
objects instead, reason: dates out of range
    dtype = _decode_cf_datetime_dtype(data, units, calendar, self.use_cftime)

Renaming dims...
Computing x, and y...
...and now z...
Assigning coords...
z_max is defined, truncating above 1100 m
Grid cells above 1100 discarded
destaggering winds...
...U...
...V...
...and now W...
variables_list is defined, grabbing only these variables
U
Periodic simulation
V
Periodic simulation
W
Periodic simulation
calculating tau13...
calculating TKE...
Saving pdata...

/g/g92/mgf/my_personal_env/lib/python3.7/site-
packages/numpy/core/_asarray.py:85: SerializationWarning: Unable to decode time
axis into full numpy.datetime64 objects, continuing using cftime.datetime
objects instead, reason: dates out of range
    return array(a, dtype, copy=False, order=order)

Spectra process data missing, calculating
Time 0 of 120
Time 1 of 120
Time 2 of 120
Time 3 of 120
Time 4 of 120
Time 5 of 120
Time 6 of 120
Time 7 of 120
Time 8 of 120
Time 9 of 120
Time 10 of 120
Time 11 of 120
Time 12 of 120
Time 13 of 120
Time 14 of 120

```

Time 15 of 120
Time 16 of 120
Time 17 of 120
Time 18 of 120
Time 19 of 120
Time 20 of 120
Time 21 of 120
Time 22 of 120
Time 23 of 120
Time 24 of 120
Time 25 of 120
Time 26 of 120
Time 27 of 120
Time 28 of 120
Time 29 of 120
Time 30 of 120
Time 31 of 120
Time 32 of 120
Time 33 of 120
Time 34 of 120
Time 35 of 120
Time 36 of 120
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Time 99 of 120
Time 100 of 120
Time 101 of 120
Time 102 of 120
Time 103 of 120
Time 104 of 120
Time 105 of 120
Time 106 of 120
Time 107 of 120
Time 108 of 120
Time 109 of 120
Time 110 of 120

```
Time 111 of 120
Time 112 of 120
Time 113 of 120
Time 114 of 120
Time 115 of 120
Time 116 of 120
Time 117 of 120
Time 118 of 120
Time 119 of 120
Saving spectra process data
```

```
[11]: #Test
      if os.path.exists(path + folder + '/' + fname_stem[:-1] + ':00:00'):
          print('exits')
```

exits

```
[12]: #Test
      path + folder + '/' + fname_stem[:-1]
```

```
[12]: '/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_Z0_0.1/DX_24_DZ_3.0_ALPHA
      _8.0/wrfout_d01_0001-01-02_00'
```

```
[14]: # Processing all files

for dx in DX:
    for dz in DZ:
        alpha=str(round(dx/float(dz),1))
        folder=f'DX_{dx}_DZ_{dz}_ALPHA_{alpha}'
        if os.path.exists(path+folder):
            print("Process data exists, working on folder:")
            print(path + folder)
            pdata_3D = f'pdata_3D_DX_{dx}_DZ_{dz}_ALPHA_{alpha}.nc'
            pdata_spectra = f'pdata_spectra_DX_{dx}_DZ_{dz}_ALPHA_{alpha}.nc'
            if os.path.exists(path + folder + '/' + fname_stem[:-1] + ':00:00'):
                print(f'{fname_stem} exits')
                try:
                    flist = glob.glob( path + folder + '/' + fname_stem)
                    flist.sort()
                    # Use xarray.open_mfdataset. https://xarray.pydata.org/en/
                    ↪stable/generated/xarray.open\_mfdataset.html

                    save_pdata = True

                    if os.path.exists(pdata_loc + pdata_3D):
                        print("Process data exists")
                        #ds = xr.open_dataset( pdata_loc + pdata_3D )
```

```

else:
    print("Process data does not exist, reading from_
↳ WRFOUT")

    ds = xr.open_mfdataset( flist, \
                           chunks = {'Time':10},
                           combine = 'nested',
                           concat_dim = 'Time' )
    ds = postprocess_wrf_outout( ds, z_max = 1100 ) #No_
↳ subgrid stress/TKE components
    ds = calc_mean_pert( ds )
    ds = calc_stresses( ds )
    ds = calc_tke( ds )
    if save_pdata:
        print("Saving pdata...")
        ds.to_netcdf(pdata_loc + pdata_3D)
        save_spectra_pdata = True

if os.path.exists(pdata_loc + pdata_spectra):
    print("Spectra process data exists")
    #psd_ds = xr.open_dataset( pdata_loc + pdata_spectra )
else:
    from mmctools.helper_functions import calc_spectra

    print("Spectra process data missing, calculating")
    ds2 = ds.assign_coords( {'nx' : ds.nx, 'ny' : ds.ny,
↳ 'nz' : ds.nz, 'Time' : ds.Time})
    psd_list = []
    NT = len(ds.Time)
    for tt in range(0,NT):
        print(f"Time {tt} of {NT}")
        psd_hr1_temp = calc_spectra( ds2.isel(Time = tt),\
                                     var_oi=['U_p', 'W_p'],\
                                     spectra_dim='ny',\
                                     #average_dim='XTIME',\
                                     average_dim='nx',\
                                     level_dim='nz',
                                     level = [5, 15, 25, 35] \
                                     )

        psd_list.append(psd_hr1_temp.mean(dim = 'nx'))

    psd_ds = xr.concat( psd_list, "Time" )
    psd_ds = psd_ds.assign_coords({"Time": ds.Time, "XTIME":
↳ ds.XTIME})

```

```

        psd_ds['z'] = xr.DataArray( ds.z[[5, 15, 25, 35]].
↪values, dims = 'nz' )

        if save_spectra_pdata:
            print("Saving spectra process data")
            psd_ds.to_netcdf( pdata_loc + pdata_spectra )
    except OSError:
        print('Passing, permission denied ...')
        pass

```

```

Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_4.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_4.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_3.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

```

```

/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_3.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_3.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_8.0_ALPHA_
1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_8.0_ALPHA_
1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_8.0_ALPHA_
1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_8.0_ALPHA_
1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_4.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_2.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_2.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

```



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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_2.4_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_4.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_3.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_4.0_ALPHA_1
.5
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_4.0_ALPHA_1
.5
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_6.0_ALPHA_1
.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_3.0_ALPHA_2
.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_6.0_ALPHA_1
.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_6.0_ALPHA_1
.0
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_3.0_ALPHA_2
.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_3.0_ALPHA_2
.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_6.0_ALPHA_1
.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_4.0_ALPHA_1
.5
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_6.0_ALPHA_1
.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_2.0_ALPHA_3
.0
wrfout_d01_0001-01-02_00* exits
Process data does not exist, reading from WRFOUT
Passing, permission denied ...
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_2.0_ALPHA_3
.0
wrfout_d01_0001-01-02_00* exits
Process data does not exist, reading from WRFOUT
Passing, permission denied ...
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_4.0_ALPHA_1
.5
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_3.0_ALPHA_2
.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_6.0_ALPHA_1
.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_4.5_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_3.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_3.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_3.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA
_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA
_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_9.0_ALPHA_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_18.0_ALPHA_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_18.0_ALPHA_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_9.0_ALPHA_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_4.5_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_3.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA
_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_4.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_4.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_3.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_3.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_3.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_8.0_ALPHA_
1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_8.0_ALPHA_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_8.0_ALPHA_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_8.0_ALPHA_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_4.0_ALPHA_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_2.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_2.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_2.4_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_4.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_3.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA_
1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_4.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

```



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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_4.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_3.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_3.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_3.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA_
1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_8.0_ALPHA_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_8.0_ALPHA_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_8.0_ALPHA_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_8.0_ALPHA_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_4.0_ALPHA_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_2.0_ALPHA_6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_2.0_ALPHA_6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_2.4_ALPHA_5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_4.0_ALPHA_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_3.0_ALPHA_4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_10.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_15.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_5.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_7.5_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA_
2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.0_ALPHA_
9.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.0_ALPHA_
9.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.5_ALPHA_
8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_
4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_
4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_
4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_
4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_9.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_18.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.0_ALPHA_
9.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_18.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_9.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_7.2_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.5_ALPHA_
8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.0_ALPHA_
9.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_4.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_4.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_6.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_3.0_ALPHA_
8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_6.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_6.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_3.0_ALPHA_
8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_3.0_ALPHA_
8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_12.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_12.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_8.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_6.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_12.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_8.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_8.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_8.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_4.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_12.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_6.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

```

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_12.0_ALPHA_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_4.0_ALPHA_6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_3.0_ALPHA_8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_6.0_ALPHA_4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_12.0_ALPHA_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_4.0_ALPHA_1.5
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_4.0_ALPHA_1.5
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_6.0_ALPHA_1.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_3.0_ALPHA_2.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_6.0_ALPHA_1.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_6.0_ALPHA_1.0
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_3.0_ALPHA_2
.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_3.0_ALPHA_2
.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_6.0_ALPHA_1
.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_4.0_ALPHA_1
.5
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_6.0_ALPHA_1
.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_2.0_ALPHA_3
.0
wrfout_d01_0001-01-02_00* exits
Process data does not exist, reading from WRFOUT
Passing, permission denied ...
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_2.0_ALPHA_3
.0
wrfout_d01_0001-01-02_00* exits
Process data does not exist, reading from WRFOUT
Passing, permission denied ...
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_4.0_ALPHA_1
.5
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_3.0_ALPHA_2
.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_6.0_ALPHA_1
.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_4.5_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_3.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_3.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_3.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA
_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA
_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_9.0_ALPHA_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_18.0_ALPHA_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_18.0_ALPHA_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_9.0_ALPHA_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_4.5_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_3.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA
_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_10.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_15.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_5.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_7.5_ALPHA_4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.0_ALPHA_9.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.0_ALPHA_9.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.5_ALPHA_8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_
4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_
4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_
4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_
4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_9.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_18.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.0_ALPHA_
9.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_18.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_9.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA_
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_7.2_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.5_ALPHA_
8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.0_ALPHA_
9.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA_
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_10.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_15.0_ALPHA_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_5.0_ALPHA_6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_7.5_ALPHA_4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_4.0_ALPHA_6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_4.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_6.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_3.0_ALPHA_
8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_6.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_6.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_3.0_ALPHA_
8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_3.0_ALPHA_
8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_12.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

```



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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_12.0_ALPHA_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_8.0_ALPHA_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_6.0_ALPHA_4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_12.0_ALPHA_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_8.0_ALPHA_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_8.0_ALPHA_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_8.0_ALPHA_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_4.0_ALPHA_6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_12.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_6.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_12.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_4.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_3.0_ALPHA_
8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_6.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_12.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_48_DZ_12.0_ALPHA
_4.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_48_DZ_12.0_ALPHA
_4.0
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_48_DZ_12.0_ALPHA_4.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_48_DZ_12.0_ALPHA_4.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_48_DZ_12.0_ALPHA_4.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_48_DZ_12.0_ALPHA_4.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_4.0_ALPHA_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_4.0_ALPHA_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_3.0_ALPHA_4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_3.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_3.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_8.0_ALPHA_
1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_8.0_ALPHA_
1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_8.0_ALPHA_
1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_8.0_ALPHA_
1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_4.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_2.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_2.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_2.4_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_4.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_3.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA_
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.0_ALPHA_
9.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.0_ALPHA_
9.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.5_ALPHA_
8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

```

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_
4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

```

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_
4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_
4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_
4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_9.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_18.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.0_ALPHA_
9.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_18.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

```



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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_9.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_7.2_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.5_ALPHA_
8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.0_ALPHA_
9.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_4.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_4.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_6.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_3.0_ALPHA_
8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_6.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_6.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_3.0_ALPHA_
8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_12.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_12.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_8.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_6.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_12.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_8.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_8.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_8.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

```

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_4.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_12.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_6.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_12.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_4.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_3.0_ALPHA_
8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_6.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_12.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

```

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.0_ALPHA_
9.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.0_ALPHA_
9.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.5_ALPHA_
8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

```

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_
4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_
4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_
4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_
4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_
4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_9.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_18.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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```

/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.0_ALPHA_
9.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_18.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_9.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_7.2_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.5_ALPHA_
8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

```

```

/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.0_ALPHA_
9.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_4.5_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_3.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

```



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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_3.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_3.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA
_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA
_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA
_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_9.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_18.0_ALPHA
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

```

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA
_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_18.0_ALPHA
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_9.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA
_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_4.5_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_3.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

```

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_4.0_ALPHA_6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_4.0_ALPHA_6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_6.0_ALPHA_4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_3.0_ALPHA_8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_6.0_ALPHA_4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_6.0_ALPHA_4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_3.0_ALPHA_8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

```

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_3.0_ALPHA_
8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_12.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_12.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_8.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_6.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_12.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_8.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_8.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

```

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_8.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_4.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_12.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_6.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_12.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_4.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_3.0_ALPHA_
8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_6.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_12.0_ALPHA_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_4.0_ALPHA_6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_4.0_ALPHA_6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_6.0_ALPHA_4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_3.0_ALPHA_8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_6.0_ALPHA_4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_6.0_ALPHA_4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_3.0_ALPHA_8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

```

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_3.0_ALPHA_
8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_12.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_12.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_8.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_6.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_12.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_8.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_8.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

```

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_8.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_4.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_12.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_6.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_12.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_4.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_3.0_ALPHA_
8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_6.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

```



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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_12.0_ALPHA_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.0_ALPHA_9.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.0_ALPHA_9.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.5_ALPHA_8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_9.0_ALPHA_4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_18.0_ALPHA_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.0_ALPHA_9.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_18.0_ALPHA_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_9.0_ALPHA_4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_7.2_ALPHA_5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.5_ALPHA_
8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.0_ALPHA_
9.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_10.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_15.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_5.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_7.5_ALPHA_4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_4.5_ALPHA_4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_3.0_ALPHA_6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_3.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_3.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA
_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA
_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA
_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_9.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_18.0_ALPHA
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA
_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_18.0_ALPHA
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_9.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA
_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_4.5_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_3.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA
_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_10.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_15.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_5.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_7.5_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA_
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_4.5_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_3.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_3.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_3.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA
_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA
_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA
_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_9.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_18.0_ALPHA
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA
_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_18.0_ALPHA_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_9.0_ALPHA_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_4.5_ALPHA_4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_3.0_ALPHA_6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_4.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_4.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_3.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_3.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_3.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_8.0_ALPHA_
1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_8.0_ALPHA_
1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_8.0_ALPHA_
1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_8.0_ALPHA_
1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_4.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_2.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_2.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_2.4_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_4.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_3.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA_
1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.0_ALPHA_
9.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.0_ALPHA_
9.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.5_ALPHA_
8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_
4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_
4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_
4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_
4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_9.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_18.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.0_ALPHA_
9.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_18.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_9.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_7.2_ALPHA_5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.5_ALPHA_8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.0_ALPHA_9.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_4.0_ALPHA_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_4.0_ALPHA_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_3.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_3.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_3.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_8.0_ALPHA_
1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_8.0_ALPHA_
1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_8.0_ALPHA_
1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_8.0_ALPHA_
1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_8.0_ALPHA_
1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_4.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA_
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_2.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_2.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_2.4_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_4.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_3.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_4.0_ALPHA_1
.5
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_4.0_ALPHA_1
.5
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_6.0_ALPHA_1
.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_3.0_ALPHA_2
.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_6.0_ALPHA_1
.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_6.0_ALPHA_1
.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_3.0_ALPHA_2
.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_3.0_ALPHA_2
.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_6.0_ALPHA_1
.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_4.0_ALPHA_1
.5
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_6.0_ALPHA_1
.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_2.0_ALPHA_3
.0
wrfout_d01_0001-01-02_00* exits
Process data does not exist, reading from WRFOUT
Passing, permission denied ...
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_2.0_ALPHA_3
.0
wrfout_d01_0001-01-02_00* exits

```


Process data does not exist, reading from WRFOUT
 Passing, permission denied ...
 Process data exists, working on folder:
 /p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_4.0_ALPHA_1
 .5
 Process data exists, working on folder:
 /p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_3.0_ALPHA_2
 .0
 Process data exists, working on folder:
 /p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_6.0_ALPHA_1
 .0
 Process data exists, working on folder:
 /p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.0_ALPHA_
 9.0
 wrfout_d01_0001-01-02_00* exits
 Process data exists
 Spectra process data exists
 Process data exists, working on folder:
 /p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.0_ALPHA_
 9.0
 wrfout_d01_0001-01-02_00* exits
 Process data exists
 Spectra process data exists
 Process data exists, working on folder:
 /p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.5_ALPHA_
 8.0
 wrfout_d01_0001-01-02_00* exits
 Process data exists
 Spectra process data exists
 Process data exists, working on folder:
 /p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
 6.0
 wrfout_d01_0001-01-02_00* exits
 Process data exists
 Spectra process data exists
 Process data exists, working on folder:
 /p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
 6.0
 wrfout_d01_0001-01-02_00* exits
 Process data exists
 Spectra process data exists
 Process data exists, working on folder:
 /p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
 6.0
 wrfout_d01_0001-01-02_00* exits
 Process data exists
 Spectra process data exists
 Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_
4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_
4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_
4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_
4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_9.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_18.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.0_ALPHA_
9.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_18.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_9.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_7.2_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.5_ALPHA_
8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.0_ALPHA_
9.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_10.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_15.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_5.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA_
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_7.5_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA_
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_4.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_4.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_3.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_3.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_3.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_8.0_ALPHA_
1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA_
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_8.0_ALPHA_
1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_8.0_ALPHA_
1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_8.0_ALPHA_
1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_4.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA_
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

```



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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_2.0_ALPHA_6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_2.0_ALPHA_6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_2.4_ALPHA_5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_4.0_ALPHA_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_3.0_ALPHA_4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_12.0_ALPHA_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

```

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.0_ALPHA_
9.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.0_ALPHA_
9.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.5_ALPHA_
8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

```

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_
4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_
4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_
4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_
4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_
4.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_9.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_18.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.0_ALPHA_
9.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_18.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_9.0_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_7.2_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.5_ALPHA_
8.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.0_ALPHA_
9.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_12.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_4.5_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_3.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_3.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_3.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA
_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA
_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA
_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_9.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_18.0_ALPHA
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA
_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_18.0_ALPHA
_1.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_9.0_ALPHA_
2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA
_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_4.5_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_3.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_
3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_12.0_ALPHA
_1.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_4.0_ALPHA_1
.5
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_4.0_ALPHA_1
.5
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_6.0_ALPHA_1
.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_3.0_ALPHA_2
.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_6.0_ALPHA_1
.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_6.0_ALPHA_1
.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_3.0_ALPHA_2
.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_3.0_ALPHA_2
.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_6.0_ALPHA_1
.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_4.0_ALPHA_1
.5
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_6.0_ALPHA_1
.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_2.0_ALPHA_3
.0
wrfout_d01_0001-01-02_00* exits
Process data does not exist, reading from WRFOUT
Passing, permission denied ...
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_2.0_ALPHA_3
.0
wrfout_d01_0001-01-02_00* exits

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Process data does not exist, reading from WRFOUT
Passing, permission denied ...
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_4.0_ALPHA_1
.5
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_3.0_ALPHA_2
.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_6.0_ALPHA_1
.0
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_10.0_ALPHA
_3.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

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/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_15.0_ALPHA
_2.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_5.0_ALPHA_
6.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_7.5_ALPHA_
4.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:

```

```

/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_12.0_ALPHA
_2.5
wrfout_d01_0001-01-02_00* exits
Process data exists
Spectra process data exists

```

2 Resample to hourly means

Requires playing with some dimension names surrounding Time

```

[23]: #Single file only
'''
pdata_loc = '/g/g92/mgf/Scratch1/Wind_Energy/Will/Data/'
folder='DX_24_DZ_3.0_ALPHA_8.0'
pdata_3D = f'pdata_3D_DX_24_DZ_3.0_ALPHA_8.0.nc'
pdata_spectra = f'pdata_spectra_DX_24_DZ_3.0_ALPHA_8.0.nc'

if os.path.exists(pdata_loc + pdata_3D):
    print("Process data exists",pdata_loc + pdata_3D)
    ds=xr.open_dataset( pdata_loc + pdata_3D )
    psd_ds=xr.open_dataset( pdata_loc + pdata_spectra )
    ds = ds.swap_dims({'Time': 'XTIME'})
    ds_1hr=ds.resample({'XTIME':'1H'}).mean()
    psd_ds= psd_ds.swap_dims({'Time': 'XTIME'})
    psd_ds_1hr = psd_ds.resample({'XTIME':'1H'}).mean()
'''

```

```

Process data exists
/g/g92/mgf/Scratch1/Wind_Energy/Will/Data/pdata_3D_DX_24_DZ_3.0_ALPHA_8.0.nc

```

```

[90]: # Processing all files, omitting the already processed ones

ds=[]
psd_ds=[]
ds_1hr=[]
psd_ds_1hr=[]
case=[]

DX=[6,12,18,24,30,36]

```

```

DZ=['4.0', '4.5', '6.0', '3.0', '12.0', '10.0', '8.0', '9.0', '18.0',
    '15.0', '5.0', '7.2', '2.0', '7.5', '2.4']

for dx in DX:
    for dz in DZ:
        alpha=str(round(dx/np.int(dz[0]),1))
        folder=f'DX_{dx}_DZ_{dz}_ALPHA_{alpha}'
        if os.path.exists(path+folder):
            print("Process data exists, working on folder:")
            print(path + folder)
            pdata_3D = f'pdata_3D_DX_{dx}_DZ_{dz}_ALPHA_{alpha}.nc'
            pdata_spectra = f'pdata_spectra_DX_{dx}_DZ_{dz}_ALPHA_{alpha}.nc'
            if os.path.exists(pdata_loc + pdata_3D):
                print("Process data exists",pdata_loc + pdata_3D)
                ds.append(xr.open_dataset( pdata_loc + pdata_3D ))
                psd_ds.append(xr.open_dataset( pdata_loc + pdata_spectra ))
                ds[-1] = ds[-1].swap_dims({'Time': 'XTIME'})
                ds_1hr.append(ds[-1].resample({'XTIME': '1H'}).mean())
                psd_ds[-1] = psd_ds[-1].swap_dims({'Time': 'XTIME'})
                psd_ds_1hr.append(psd_ds[-1].resample({'XTIME': '1H'}).mean())
                case.append(folder)
            else:
                print("Process data does not exist, reading from WRFOU")

#Saving data from all files in a sigle file (it doesn't work for reload, work_
→with Will to solve the issue)

np.save(pdata_loc + 'data_3D_1hr.npy',ds_1hr)
np.save(pdata_loc + 'data_spectra_1hr.npy',psd_ds_1hr)
np.save(pdata_loc + 'pds_cases_names.npy',case)

```

```

Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_4.0_ALPHA_1
.5
Process data does not exist, reading from WRFOU
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_6.0_ALPHA_1
.0
Process data does not exist, reading from WRFOU
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_3.0_ALPHA_2
.0
Process data does not exist, reading from WRFOU
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_6_DZ_2.0_ALPHA_3
.0
Process data does not exist, reading from WRFOU

```

Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_4.0_ALPHA_3.0

Process data exists
/g/g92/mgf/Scratch1/Wind_Energy/Will/Data/pdata_3D_DX_12_DZ_4.0_ALPHA_3.0.nc

Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_6.0_ALPHA_2.0

Process data exists
/g/g92/mgf/Scratch1/Wind_Energy/Will/Data/pdata_3D_DX_12_DZ_6.0_ALPHA_2.0.nc

Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_3.0_ALPHA_4.0

Process data exists
/g/g92/mgf/Scratch1/Wind_Energy/Will/Data/pdata_3D_DX_12_DZ_3.0_ALPHA_4.0.nc

Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_8.0_ALPHA_1.5

Process data exists
/g/g92/mgf/Scratch1/Wind_Energy/Will/Data/pdata_3D_DX_12_DZ_8.0_ALPHA_1.5.nc

Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_12_DZ_2.0_ALPHA_6.0

Process data exists
/g/g92/mgf/Scratch1/Wind_Energy/Will/Data/pdata_3D_DX_12_DZ_2.0_ALPHA_6.0.nc

Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_6.0_ALPHA_3.0

Process data exists
/g/g92/mgf/Scratch1/Wind_Energy/Will/Data/pdata_3D_DX_18_DZ_6.0_ALPHA_3.0.nc

Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_3.0_ALPHA_6.0

Process data exists
/g/g92/mgf/Scratch1/Wind_Energy/Will/Data/pdata_3D_DX_18_DZ_3.0_ALPHA_6.0.nc

Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_18_DZ_9.0_ALPHA_2.0

Process data exists
/g/g92/mgf/Scratch1/Wind_Energy/Will/Data/pdata_3D_DX_18_DZ_9.0_ALPHA_2.0.nc

Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_4.0_ALPHA_6.0

Process data exists
/g/g92/mgf/Scratch1/Wind_Energy/Will/Data/pdata_3D_DX_24_DZ_4.0_ALPHA_6.0.nc

Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_6.0_ALPHA_4.0

```

Process data exists
/g/g92/mgf/Scratch1/Wind_Energy/Will/Data/pdata_3D_DX_24_DZ_6.0_ALPHA_4.0.nc
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_3.0_ALPHA_
8.0
Process data exists
/g/g92/mgf/Scratch1/Wind_Energy/Will/Data/pdata_3D_DX_24_DZ_3.0_ALPHA_8.0.nc
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_24_DZ_8.0_ALPHA_
3.0
Process data exists
/g/g92/mgf/Scratch1/Wind_Energy/Will/Data/pdata_3D_DX_24_DZ_8.0_ALPHA_3.0.nc
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_6.0_ALPHA_
5.0
Process data exists
/g/g92/mgf/Scratch1/Wind_Energy/Will/Data/pdata_3D_DX_30_DZ_6.0_ALPHA_5.0.nc
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_30_DZ_5.0_ALPHA_
6.0
Process data exists
/g/g92/mgf/Scratch1/Wind_Energy/Will/Data/pdata_3D_DX_30_DZ_5.0_ALPHA_6.0.nc
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_4.0_ALPHA_
9.0
Process data exists
/g/g92/mgf/Scratch1/Wind_Energy/Will/Data/pdata_3D_DX_36_DZ_4.0_ALPHA_9.0.nc
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_6.0_ALPHA_
6.0
Process data exists
/g/g92/mgf/Scratch1/Wind_Energy/Will/Data/pdata_3D_DX_36_DZ_6.0_ALPHA_6.0.nc
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_8.0_ALPHA_
4.5
Process data exists
/g/g92/mgf/Scratch1/Wind_Energy/Will/Data/pdata_3D_DX_36_DZ_8.0_ALPHA_4.5.nc
Process data exists, working on folder:
/p/lscratchh/mirocha2/ML_LES_DX/LZ_2880_LZ_1800_UG_10_ZO_0.1/DX_36_DZ_9.0_ALPHA_
4.0
Process data exists
/g/g92/mgf/Scratch1/Wind_Energy/Will/Data/pdata_3D_DX_36_DZ_9.0_ALPHA_4.0.nc

```

```

[93]: # This doesn't work
ds_1hr=np.load(pdata_loc + 'data_3D_1hr.npy',allow_pickle=True)
psd_ds_1hr=np.load(pdata_loc + 'data_spectra_1hr.npy',allow_pickle=True)
names_1hr=np.load(pdata_loc + 'pds_cases_names.npy')

```

```
[92]: #Number of hours considered, in our case just the first hour  
NT_hr = len( ds_1hr[0].XTIME )
```

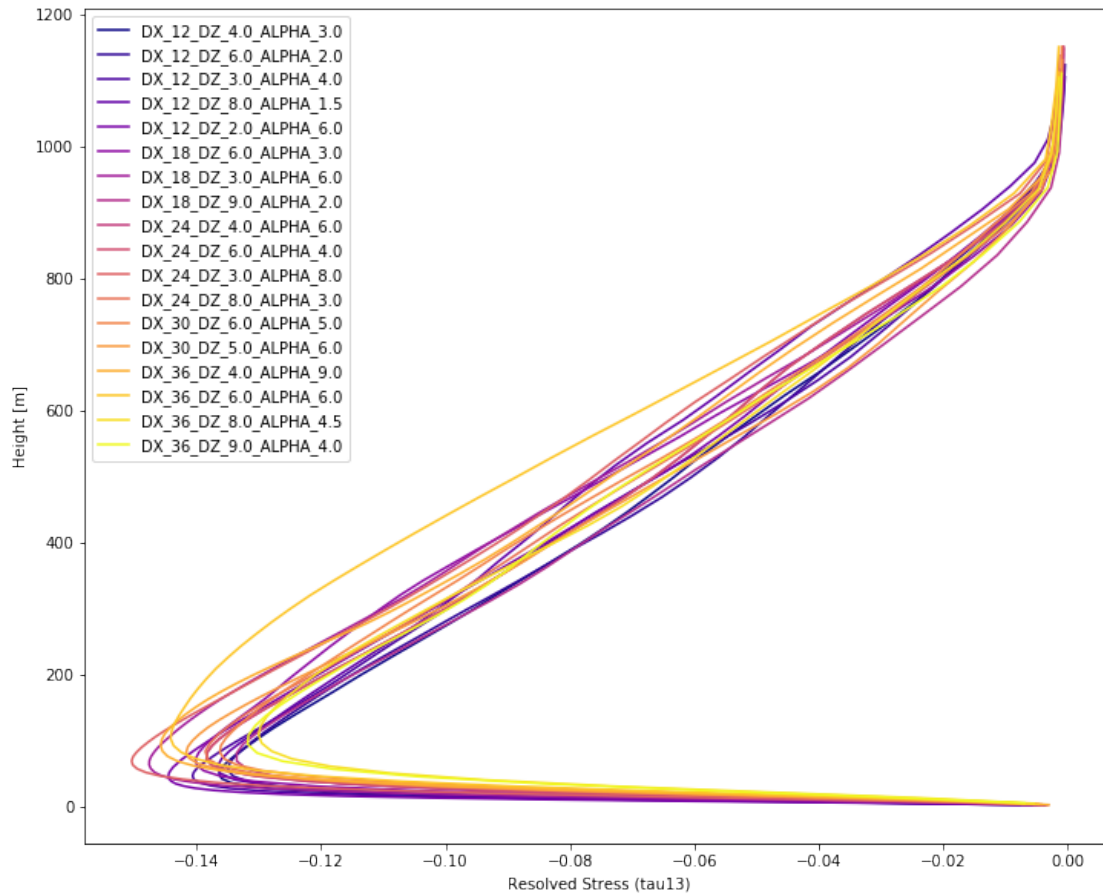
3 Some plots

```
[103]: #Setting colormaps  
time_colormap = plt.cm.plasma(np.linspace(0, 1, NT_hr) )  
case_colormap = plt.cm.plasma(np.linspace(0, 1, len(case)) )
```

3.0.1 Vertical profiles

```
[105]: # Tau13 vertical profile, color a function of cases (one hour average)  
f, ax = plt.subplots( figsize = (12, 10) )  
  
for tt in range(0, len(case)):  
    ax.plot( ds_1hr[tt].isel(XTIME = 0).tau13, ds_1hr[tt].z , c =  
        ↪ case_colormap[tt], label=f'{case[tt]}' )  
  
ax.set_xlabel('Resolved Stress (tau13)')  
ax.set_ylabel('Height [m]')  
ax.legend()
```

```
[105]: <matplotlib.legend.Legend at 0x2aab48f27c18>
```



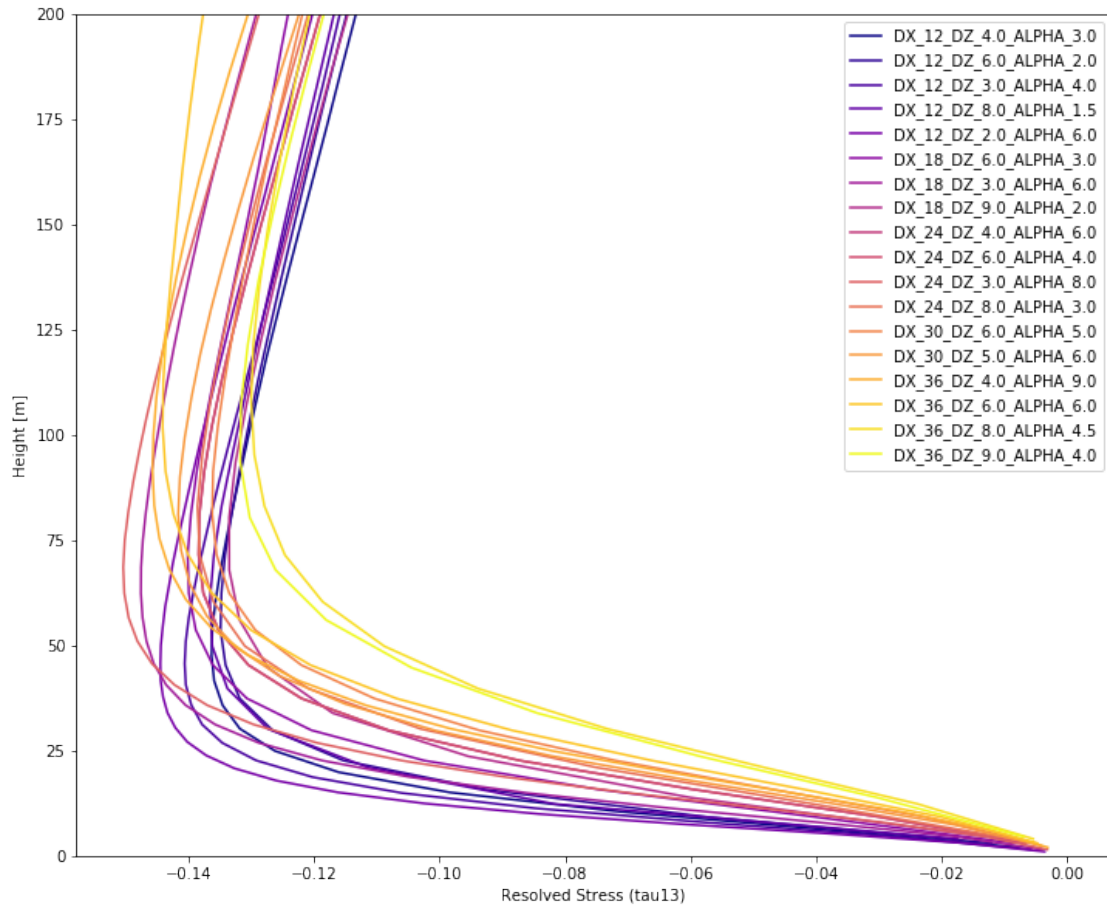
```
[106]: # Tau13 vertical profile, color a function of cases (one hour average)
f, ax = plt.subplots( figsize = (12, 10) )

for tt in range(0, len(case)):
    ax.plot( ds_1hr[tt].isel(XTIME = 0).tau13, ds_1hr[tt].z , c = case_colormap[tt], label=f'{case[tt]}' )

ax.set_xlabel('Resolved Stress (tau13)')
ax.set_ylabel('Height [m]')
ax.legend()

ax.set_ylim([0.,200])
```

```
[106]: (0.0, 200)
```

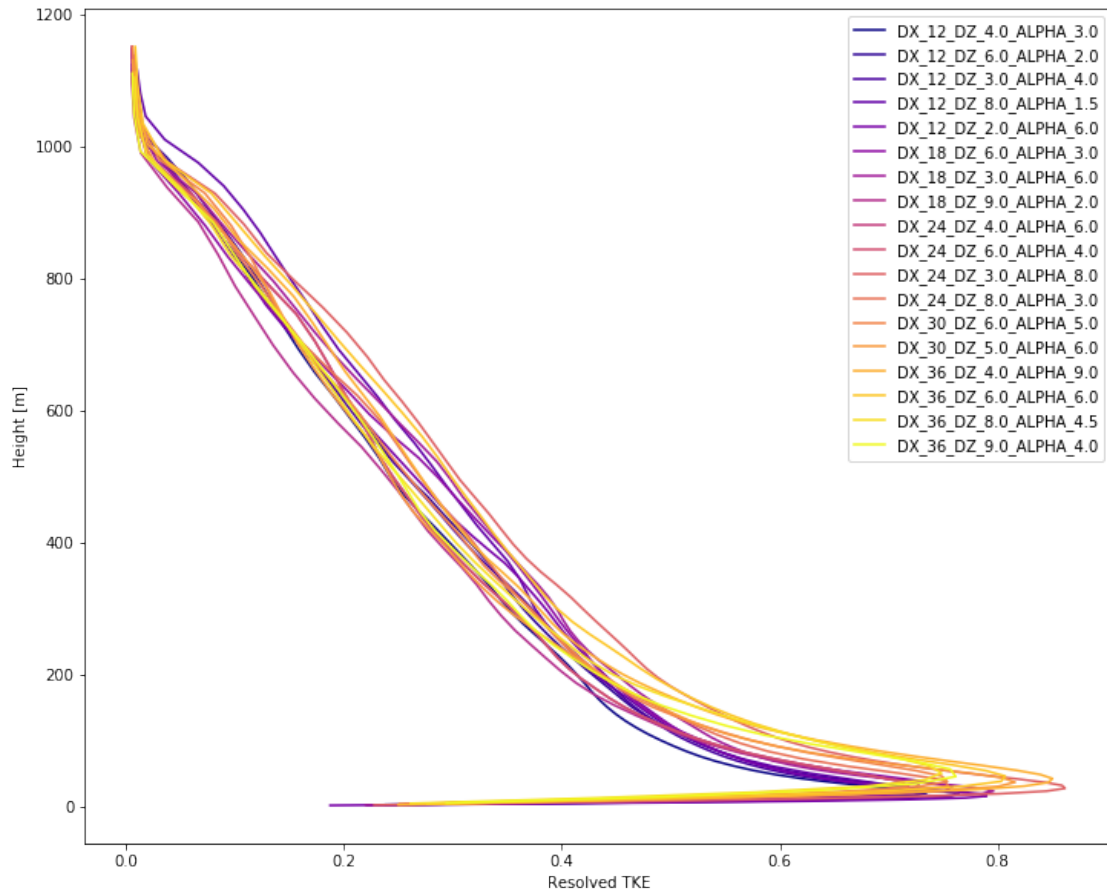



```
[109]: # TKE vertical profile, color a function of cases (one hour average)
f, ax = plt.subplots( figsize = (12, 10) )

for tt in range(0, len(case)):
    ax.plot( ds_1hr[tt].isel(XTIME = 0).TKE, ds_1hr[tt].z , c = case_colormap[tt], label=f'{case[tt]}')

ax.set_xlabel('Resolved TKE')
ax.set_ylabel('Height [m]')
ax.legend()
```

[109]: <matplotlib.legend.Legend at 0x2aab48286c50>



[110]: *# TKE vertical profile, color a function of cases (one hour average)*

```
f, ax = plt.subplots( figsize = (12, 10) )
```

```
for tt in range(0, len(case)):
```

```
    ax.plot( ds_1hr[tt].isel(XTIME = 0).TKE, ds_1hr[tt].z , c =
```

```
    ↪ case_colormap[tt], label=f'{{case[tt]}}')
```

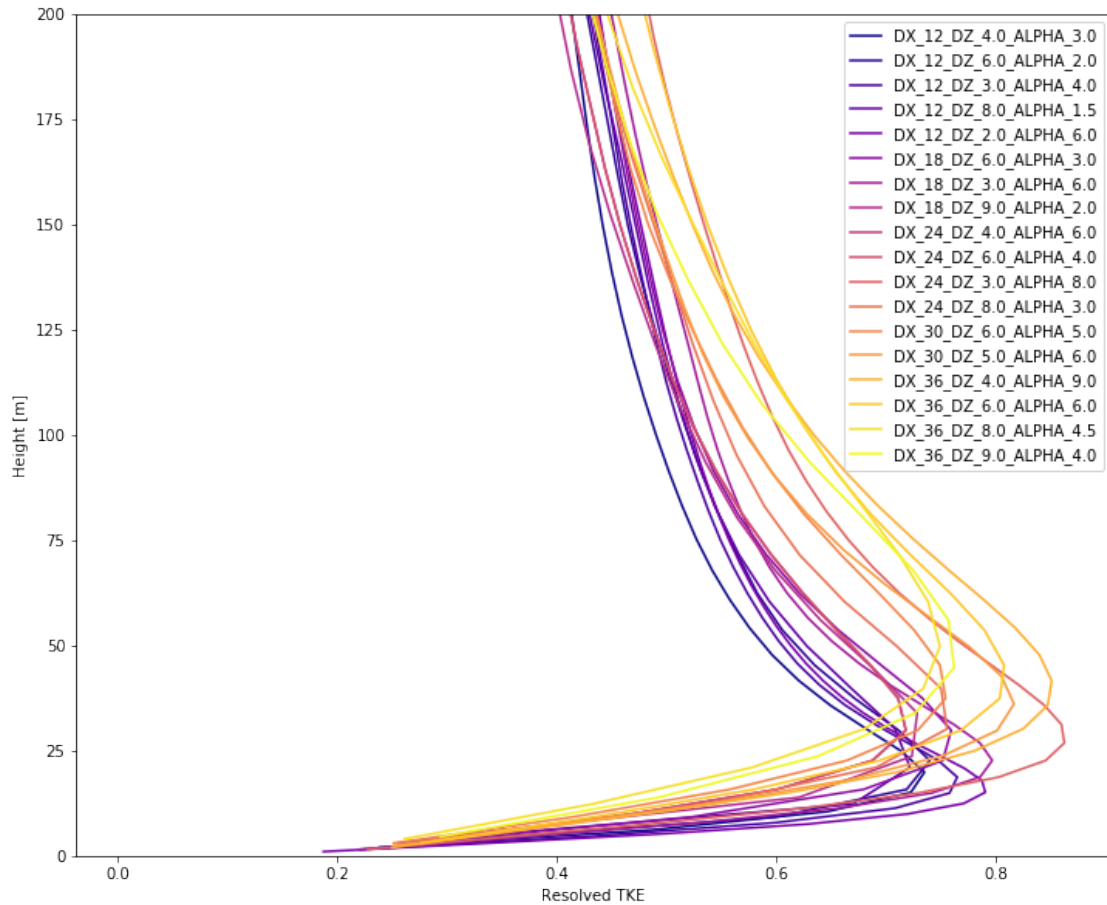
```
ax.set_xlabel('Resolved TKE')
```

```
ax.set_ylabel('Height [m]')
```

```
ax.legend()
```

```
ax.set_ylim([0., 200])
```

[110]: (0.0, 200)



3.0.2 Spectra

```
[119]: #Spectra after one hour a function of cases

f, ax = plt.subplots(figsize = ( 12, 6 )

z_spectra=0 #first level

for tt in range(0, len(case)):
    z_spectra = psd_ds_1hr[tt].z.isel(XTIME = 0)
    psd_ds_1hr[tt]['U_p_norm_power'] = psd_ds_1hr[tt].U_p * psd_ds_1hr[tt].
    ↪frequency
    psd_ds_1hr[tt]['W_p_norm_power'] = psd_ds_1hr[tt].W_p * psd_ds_1hr[tt].
    ↪frequency
    ax.plot( psd_ds_1hr[tt].frequency, psd_ds_1hr[tt].U_p_norm_power.isel(XTIME=
    ↪0, nz = 0),\
            label = f'{case[tt]}' )
```

```

ax.set_ylabel('Power * frequency')
ax.set_xlabel('Frequency')

ax.set_title(f"U component, {tind} hours after start")

ax.set_xscale('log')
ax.set_yscale('log')

ax.legend(loc = 'best')

```

[119]: <matplotlib.legend.Legend at 0x2aab487eafd0>

