Name	Temporal resolution	Termporal extent	Spatial resolution	Spatial extent	Variables	Format	Access	Additional information and notes
CTL-WRF-WCA (WRF CCRN runs) (historical) (ctl-wrf-wca)	Hourly for surface 2d data; 3-hourly for upper atmosphere 3d data	10/2000 - 09/2015	4 km	Western Canada	11 variables for surface 2d data: Precipitation (SFC), temperature (2m), Latent heat flux (SFC), Upward heat flux (SFC), Upward moisture flux (SFC), Downward long wave flux (SFC), Downward short wave flux (SFC), Surface pressure (SFC), Mixing ratio (2m), U/V-component of wind (10m)	NetCDF	Graham automated access and subsetting for surface 2d data, maintained by U of Waterloo group	The whole Dataset produced and converted into CF-1.6 conform NetCDF files stored on Compute Canada maintained by Dr Li's group
PGW-WRF-WCA (WRF CCRN runs) (pseudo global warm.) (ctl-wrf-wca)	Hourly for surface 2d data; 3-hourly for upper atmosphere 3d data	10/2000 - 09/2015	4 km	Western Canada	11 variables for surface 2d data: Precipitation (SFC), temperature (2m), Latent heat flux (SFC), Upward heat flux (SFC), Upward moisture flux (SFC), Downward long wave flux (SFC), Downward short wave flux (SFC), Surface pressure (SFC), Mixing ratio (2m), U/V-component of wind (10m)	NetCDF	Graham automated access and subsetting for surface 2d data, maintained by U of Waterloo group	The whole Dataset produced and converted into CF-1.6 conform NetCDF files stored on Compute Canada maintained by Dr Li's group
CTL-WRF-CONUS (WRF CONUS runs) (historical) (ctl-wrf-wca)	hourly	10/2000 - 09/2013	4 km	Continental US and Southern Canada	11 variables for surface 2d data: Precipitation (SFC), temperature (2m), Latent heat flux (SFC), Upward heat flux (SFC), Upward moisture flux (SFC), Downward long wave flux (SFC), Downward short wave flux (SFC), Surface pressure (SFC), Mixing ratio (2m), U/V-component of wind (10m)	NetCDF	Graham automated access and subsetting for surface 2d data, maintained by U of Waterloo group	The whole Dataset produced and converted into CF-1.6 conform NetCDF files stored on Compute Canada maintained by Dr Li's group
PGW-WRF-CONUS (WRF CONUS runs) (pseudo global warm.) (ctl-wrf-wca)	Hourly for surface 2d data; 3-hourly for upper atmosphere 3d data	10/2000 - 09/2013	4 km	Continental US and Southern Canada	11 variables for surface 2d data: Precipitation (SFC), temperature (2m), Latent heat flux (SFC), Upward heat flux (SFC), Upward moisture flux (SFC), Downward long wave flux (SFC), Downward short wave flux (SFC), Surface pressure (SFC), Mixing ratio (2m),	NetCDF	Graham automated access and subsetting for surface 2d data, maintained by U of Waterloo group	The whole Dataset produced and converted into CF-1.6 conform NetCDF files stored on Compute Canada maintained by Dr Li's group