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| ILDAS component | Specification |
| Land Surface Model | Noah-MP 4.0.1 |
| Spatial Extent | 64⁰E-98⁰E, 5.5⁰N-37.5⁰N |
| Spatial Resolution | 0.1⁰ |
| Temporal Resolution | 1 Day |
| Time Period | 1981–2021 |
| Forcing | IMD (for precipitation) and MERRA2 (for rest of the forcing variables) |
| Forcing Variables | Precipitation, near-surface air temperature, near-surface specific humidity, surface pressure, eastward and northward wind velocity, incident longwave and shortwave radiation |
| Soils Definition | (NCAR) STATSGO + FAO blended soil texture map |
| Vegetation Definition | MODIS-IGBP (NCEP-modified), Monfreda et al. (2008) |
| Output format | NetCDF |

**Table 1** List of ILDAS components and their specification