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## Database of the rapidly deepening extratropical cyclones in Japan

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Rapidly deepening extratropical cyclones (so-called 'meteorological bomb cyclones') are frequently observed in Japan during cold season. Due to severe weather conditions (strong wind, heavy rainfall and/or snowfall) accompanying with rapid development of traveling cyclones, a bomb cyclone occasionally cause serious damages to socioeconomic activities in Japan.

Database of the rapidly deepening extratropical cyclones in Japan (http://fujin.geo.kyushu-u.ac.jp/meteorol\_bomb/; in Japanese) provides comprehensive information of the meteorological bomb cyclones after 1996. The database contains several statistics of bomb cyclones (e.g. track path, sea level pressure at cyclone center, deepening rate, and total lifetime of cyclone) obtaining from the Japanese 25-year Reanalysis (JRA-25) and the Japan Meteorological Agency Climate Data Assimilation System (JCDAS). In addition to the cyclone statistics, you can get observed atmospheric field variables (e.g. horizontal wind and rainfall amount at the AMeDAS observatories, infrared image of geostationary meteorological satellite) and disaster information during total lifetime of bomb cyclone. Users can also see monthly frequency and inter-annual variation of bomb cyclones for the specified period.

Keywords: meteorological bomb cyclone, disaster information

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