Global Energy Policy Research | GEPR

GEPR????????????

??????????????????????????????C^{14}?GCR???GCR??????C^{14}????????????????????????????????????

??

??????????????2019??????????????????GCR?????78??GCR??2km????????????????????????7?12km??????????????

???????????high-altitude clouds??????????????????????????2?7km????????????????????????????????

??GCR??7?12km??

??deep convective activities??

??GCR??

?????????decadal?10????????????????????????????11??GCR?????????????????1.4??????????

??0?3?4???

??????????????????????NOAA??????????????1979??1979????43??

???????????????????GCR?????GCR cycles??????????GCR??????????????GCR??11???????????????????

???????Fig. 1??GCR??????????????0?3????????????????????????????8????????????1???????????Fig. 2????????????????????????????GCR????????????????????????????5?6?7??8??

??????????GCR cycles??????????????Fig. 3????????Fig. S5??????????GCR????????????????????????GCR????????????????????????GCR??

??????????????????????????GCR???????????????GCR???

???????????GCR cycles????????????????Fig. 5???

?????????????????????????????????10????GCR???8????????????????????????GCR???GCR cycles?????????????????????????

??2????????????????3??????????GCR???

????????????????????????GCR???

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