

Energy dependence of relativistic electron variations in the outer radiation belt during the recovery phase of magnetic storms: Arase/XEP observations NANA HIGASHIO (1)(3), TAKESHI TAKASHIMA(2), KANAKO SEKI(3), YOSHIZUMI MIYOSHI(4), MARIKO TERAMOTO(4), TOMOAKI HORI(4)SATOSHI KURITA(4), AYAKO MATSUOKA(2), (1) ADD/JAXA, (2) ISAS/JAXA, (3) UNIVERSITY OF TOKYO, (4) ISEE/NAGOYA UNIVERSITY

and with the assessment of a million of the one

conditions, CIR/CME, plasma sheet condition, etc)?







ndex(min)	Storm type	XEP observations
, -35nT	CIR	Flux: increase (≦1.5MeV) Timing: no energy dependence Peak location: outside
	CIR	Flux: increase (all energy) Timing: Low energy faster Peak location: inside
	CME(?)	Flux: decrease
Τ	CME	Flux: increase (all energy) Timing: no energy dependence Peak location: inside
T, -122nT	CME	Flux: increase (all energy) Timing: Low energy faster Peak location: inside
	CIR	Flux: increase (≦2.2MeV) Timing: Low energy faster Peak location: no change