

MONITORING RADIATION DOSES RECEIVED BY AIR CREWS

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Since 2000, Air Transport Companies in Europe have the legal obligation to monitor radiation doses received by each air crew member. The French Aviation Authorities have developed a system called SIEVERT, using effective dose calculation codes and neutron monitor observations. We present this typical Space Weather application and discuss the solution retained in the frame of this system to monitor galactic cosmic rays and GLE's, and corresponding doses.