

Introduction

A major problem in biomedical investigation on Space Transportation Systems (STS) has been the unavailability of the crew during the first two days when necessary ~~and~~ ^{as} planned activities occupy all their time. This is also the period when most of the physiological changes of current interest occur~~s~~.

Space Motion sickness (SMS) investigations from ^{Space Transportation Systems} (STS) ~~missions 4 through 8~~ ^{left} ~~have~~ ^{gave} us a large inventory of demonstrated flight-ready hardware and procedures which is available on short notice. With the availability of a crewman, even on short notice, it was possible to quickly assemble a practical plan which would add significantly to the scanty existing data base and would also test some modifications of hardware.

An initial proposal for comprehensive medical investigations was made as follows.