

## Re: MMU Question

**Source:** <http://sci.tech-archive.net/Archive/sci.space.shuttle/2005-03/0354.html>

---

**From:** Keith F. Lynch ([kfl\\_at\\_KeithLynch.net](mailto:kfl_at_KeithLynch.net))

**Date:** 03/26/05

Date: 25 Mar 2005 22:58:04 -0500

Henry Spencer <[henry@spsystems.net](mailto:henry@spsystems.net)> wrote:

> *The arm can't grab him because he doesn't have a grapple fixture.*

> *But of course, he can grab the arm. Or the cargo bay.*

> *Yes, this was the backup for a major MMU failure (pretty unlikely in*

> *itself, mind you, because the MMU is highly redundant).*

What if the MMU gets stuck in the on position? Does the shuttle have enough delta-V to catch him after the MMU gas is all expended? Could it cause reentry? How much spin could a malfunctioning MMU put on an astronaut, and what could be done if that happens? Thanks.

--

Keith F. Lynch - <http://keithlynch.net/>

Please see <http://keithlynch.net/email.html> before emailing me.