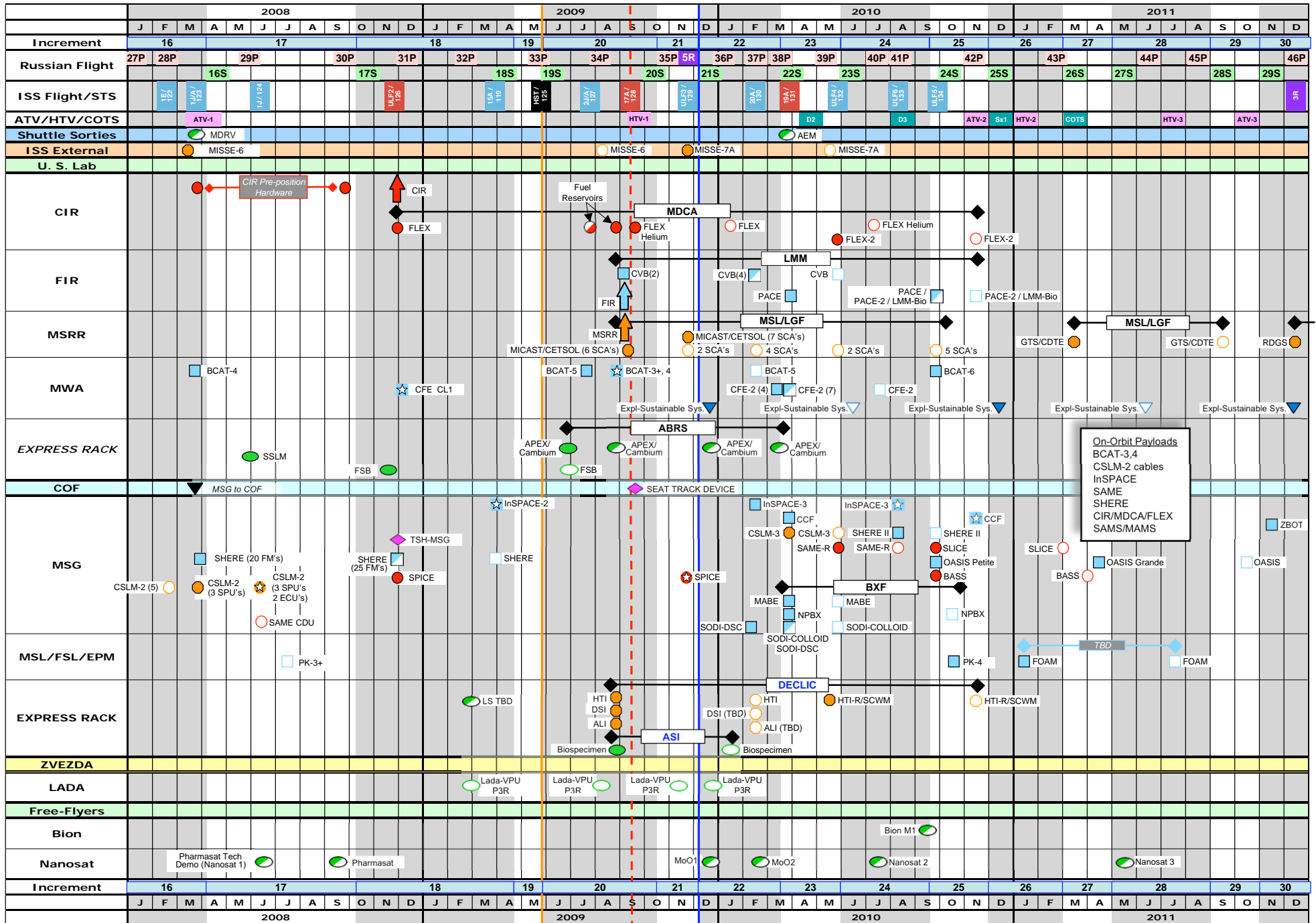


ISS Research Project Traffic Model



On-Orbit Payloads
 BCAT-3,4
 CSLM-2 cables
 InSPACE
 SAME
 SHERE
 CIR/MDCA/FLEX
 SAMS/MAMS

Crew 6 T/N B/L

RESEARCH FACILITY LAUNCH: ↑ LIFE SCIENCES: ● ACCELERATION: ◆ TECH. DEVELOPMENT: ▼

EXPERIMENT COMPLETE NOT RETURNING: ★ FLUIDS: □ COMBUSTION: ● MATERIALS: ●

◆-----MINI-FACILITY-----◆

ISS Research Project Traffic Model

Acronyms:

ABRS - Advanced Biological Research System
ACME - Advanced Combustion via Microgravity Experiments
AEM - Animal Enclosure Module
ALI - Alice-Like Insert
APEX - Advanced Plant Experiments on Orbit
ASI - Italian Space Agency
BCAT - Binary Colloidal Alloy Test
BRIC - Biological Research in Canisters
BXF – Boiling Experiment Facility (NPBX)
CCF - Capillary Channel Flow
CETSOL - Columnar-to-Equiaxed Transition in Solidification Processing
CFE - Capillary Flow Experiment
CIR - Combustion Integrated Rack
CSLM - Coarsening of Solid-Liquid Mixtures
CSM Harness - Center for Space Medicine Harness (Cleveland Clinic)
CVB - Constrained Vapor Bubble
DECLIC - Dispositif pour l'étude de la croissance et des liquides critiques
DSI - Dynamical Selection of Three-Dimensional Interface Patterns in Directional Solidification
EMCS – European Modular Cultivation System
EML - Electromagnetic Laboratory
EPM - European Physiology Module
ER – ExPRESS Rack
FIR – Fluids Integrated Rack
FLAME - Flammability Assessment of Materials for Exploration
FLEX - Flame Extinguishment Experiment
FOAM - Foam Optics and Mechanics Experiment
FSB - Fundamental Space Biology
FSL - Fluid Science Laboratory (ESA)
GTS - Crystal Growth of Ternary Compound Semiconductors
HTI - High Temperature Insert
HRF – Human Research Facility
HST - Hubble Space Telescope
InSPACE - Investigating the Structure of Paramagnetic Aggregates
IVGEN - Intravenous Water Generation
LGF - Low Gradient Furnace
LMM – Light Microscopy Module
LODESTARS - Levitation Observation of Dendrite Evolution in Steel Ternary Alloy Rapid Solidification
LS - Lunar Surface
MABE - Microheater Array Boiling Experiment
MAMS - Microgravity Acceleration Measurement System
MARES - Muscle Atrophy Research Exercise System
MDCA - Multi-User Droplet Combustion Apparatus
MDRV - Microbial Drug Resistance and Virulence
MELFI – Minus Eighty Laboratory Freezer for ISS
MICAST - Microstructure Formation in Castings of Technical Alloys under Diffusive and Magnetically-Controlled Convective Conditions
MISSE - materials durability in ISS external environment
MoO - Mission of Opportunity
MSG – Microgravity Science Glovebox
MSL - Materials Science Laboratory
MSRR - Materials Science Research Rack
MWA - Maintenance Work Area
NPBX - Nucleate Pool Boiling under Microgravity Experiment
OASIS - Observation and Analysis of Smetic Islands in Space
QUASI - Quasi-Crystalline Undercooled Alloys for Space Investigations
RDGS - Reduction of Defects in Germanium Silicon
SAME - Smoke Aerosol Measurement Experiment
SAMS - Space Acceleration Measurement System
SCA - Sample Cartridge Assembly
SDTO - Station Detailed Test Objective
SHERE - Shear History Extensional Rheology Experiment
Space DRUMS - Space Dynamically Responding Ultrasonic Matrix System
SPICE - Smoke Point in Coflow Experiment
TBD - To Be Determined
TSH - Triaxial Sensor Head
ULF - UtiLization Flight
VPU - Vegetable Production Unit
WORF - Window Observation Research Facility
ZBOT - Zero Boil-Off Experiment

