
LIGO 40 Meter Schedule Model

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LIGO Project

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LIGO-G960101-00-M

Requirements...

- 16 hours per day fully attended utilization of interferometer for detector science over next three months
- presence of expertise adequate for planned work
- team size adequate for expertise in depth, flexibility and mutual support
- scheduled work periods not to be fragmented
- schedule model employs template pattern that insures regularity and continuity
- team staffing spreads expertise and participation across all LIGO (Caltech) scientific staff

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...Requirements

- daily meetings reorganized to:
 - » minimize interruption of attentive use of facility
 - » facilitate daily continuity
 - » insure that "large" meetings are "offline"
- individual flexibility accommodated within set patterns
- every shift has scheduled work selected from prime use, competing use or parasitic use categories

Two Basic Teams

Blue Team

- Spero - Team Captain
- Durance
- Logan
- Vass
- Rachmanov
- Ware

Gold Team

- Kuhnert - Team Captain
- Kawamura
- Kells
- Lyon
- Mason

Two Backup Teams

Blue Team

- Raab
- Sievers
- Camp

Gold Team

- Savage
- Coles
- Abramovici

Others - Novices - Occasional

- Barish, Sanders, Vogt
- Whitcomb, Coyne
- Bork, Heefner, Abbott...
- Lazzarini, Blackburn, Yamamoto
- Lindquist, Althouse
- Billingsley, Elieson, Jungwirth

All members of "scientific" staff expected to work at least one 8 hour shift per month

Daily Template for 3 Months

| | |
|-------------------------|---------------------|
| Midnite to 07:00 | Grav. Wave Data |
| 07:00 to 09:00 | CDS |
| 08:00 to 16:00 | Blue or Gold Team |
| 15:30 to 16:30 | Team Coord. Meeting |
| 16:00 to Midnite | Gold or Blue Team |

- Blue/Gold Teams provide at least 2 staff at all shift times
 - Backup/Other team members may supplement teams
 - Continuity in shift staffing essential

Use Categories

- Prime Use
 - » Detector Science
 - » Grav. Wave Data
 - » Alignment, Configuration Change
- Competing Use
 - » all of above but secondary priority
 - » Slow Monitor Development
 - » ...
- Parasitic Use (Non-interfering)

Every shift has an identified use from these categories
so that if one task is stalled, other is substituted