UNICOS Software Update

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Server and Supercomputer

Agenda

- **UNICOS Roadmap**
- **UNICOS Software**
  - Support Plans/Releases
  - SPR Plans and Priorities
  - SPR Trends
  - Software MTTI
  - Future Enhancements

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UNICOS Roadmap

UNICOS 9.3
- **UUU for GR**
- **T90 reliability**
- **Array Services**

UNICOS 10.0.0.1
- **Bug fixes**

UNICOS 10.0.0.3
- **SV1 support**
- **MS Processor kernel support**

UNICOS 10.0.0.2
- **GigaRing Host to Host for TCP/IP**
- **Bug fixes**

UNICOS 10.0
- **Year 2000 compliance**
- **Initial IRIX Features**

Ongoing UNICOS 10.0 updates
- **Reliability enhancements, new HW support, new peripherals, etc**

1998

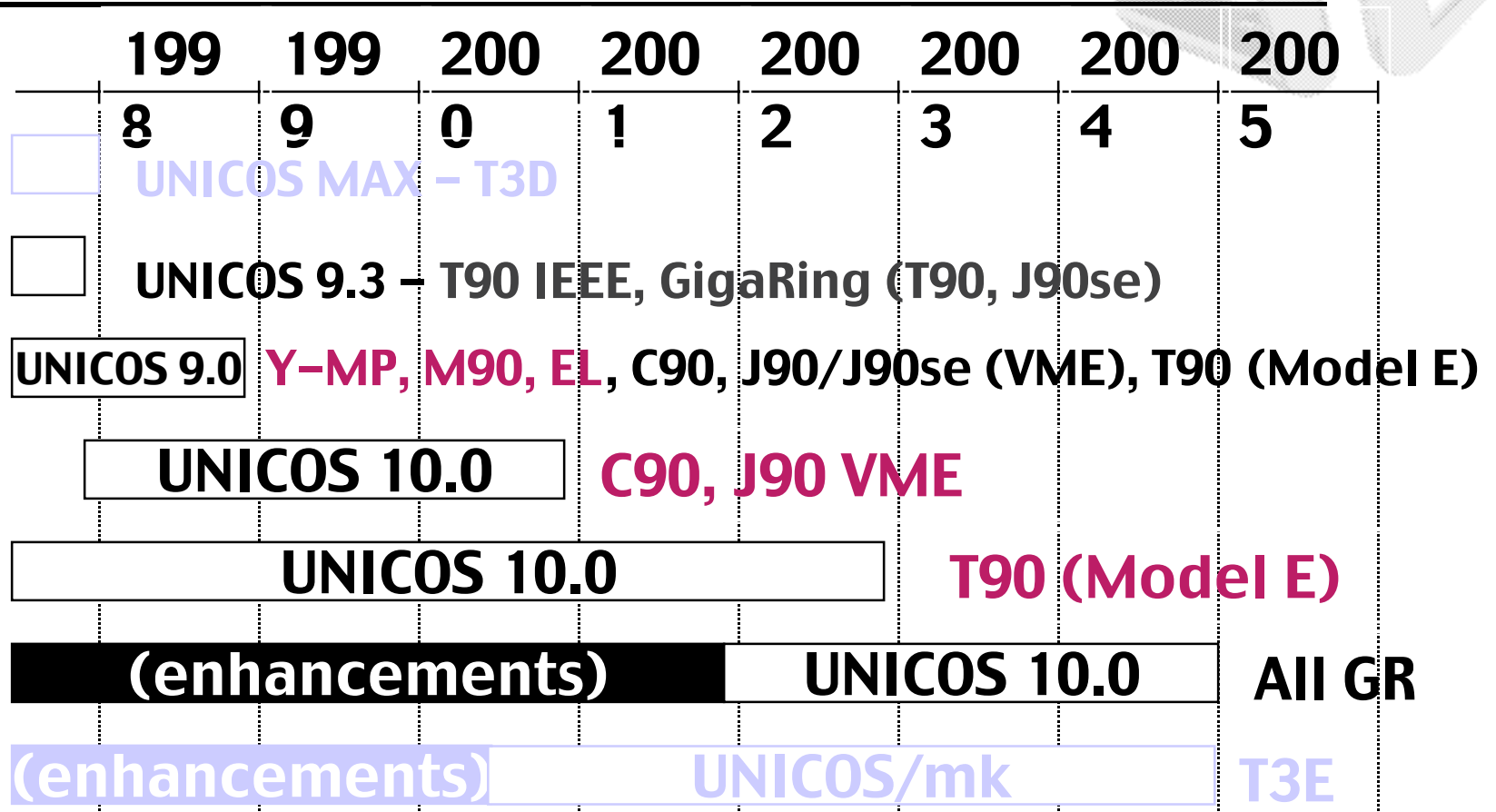**Target availability dates**

1999
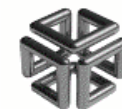
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Software Support Modes

- **Active Support Mode**
  - Revision and update release packages provided
  - New feature are provided as appropriate
  - SPRs from all severity levels are candidates to be fixed
- **Maintenance Support Mode**
  - Update and fix packages are provided on a as needed basis
  - No new features are provided
  - SPRs that are critical or Urgent are candidates to be fixed
- **Retired Support Mode**
  - No updates or fix pkgs are provided by software division
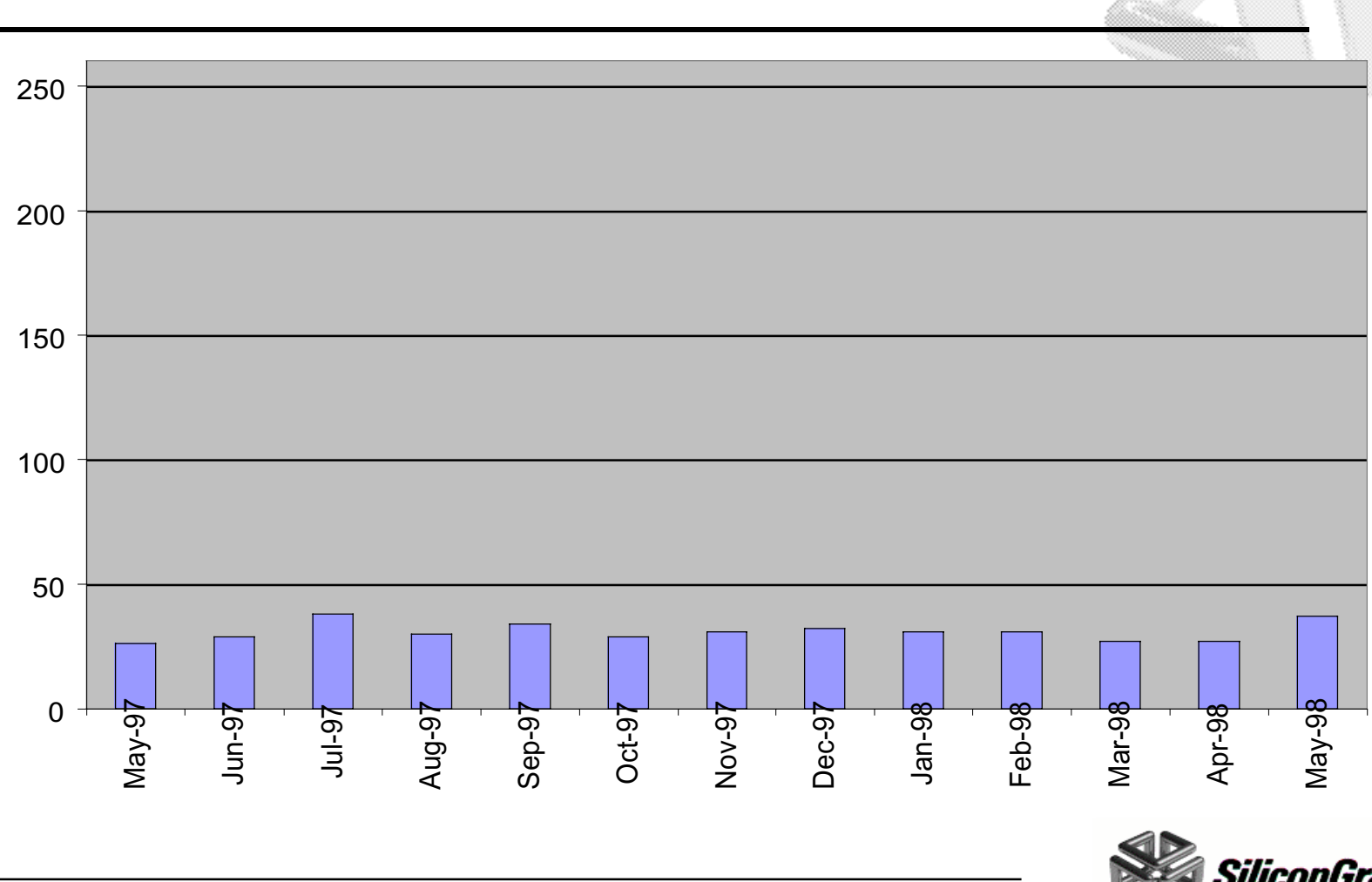 - Special critical-only support can be negotiated by contract.

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OS Software Support

199	199	200	200	200	200	200	200
8	9	0	1	2	3	4	5

UNICOS MAX – T3D

UNICOS 9.3 – T90 IEEE, GigaRing (T90, J90se)

UNICOS 9.0 Y–MP, M90, EL, C90, J90/J90se (VME), T90 (Model E)

UNICOS 10.0   C90, J90 VME

UNICOS 10.0   T90 (Model E)

(enhancements)   UNICOS 10.0   All GR

(enhancements)   UNICOS/mk   T3E

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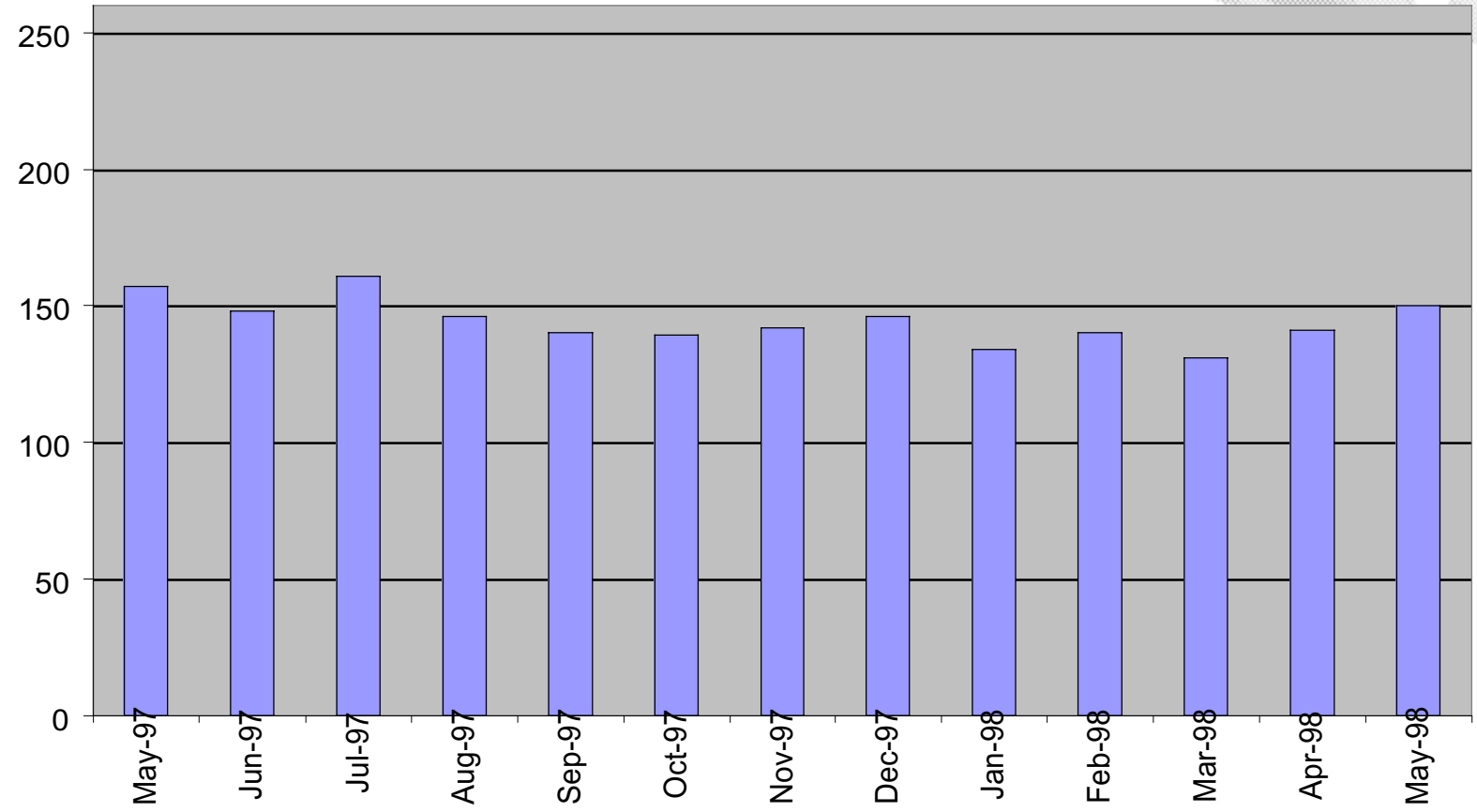
SPR Plans and Priorities

① **All Critical SPRS and Critical Site Situations**

② **Urgent SPRS**

③ **Verify severity of incoming Major, Minor, Design SPRS**

④ **Address incoming Major, Minor, Design**
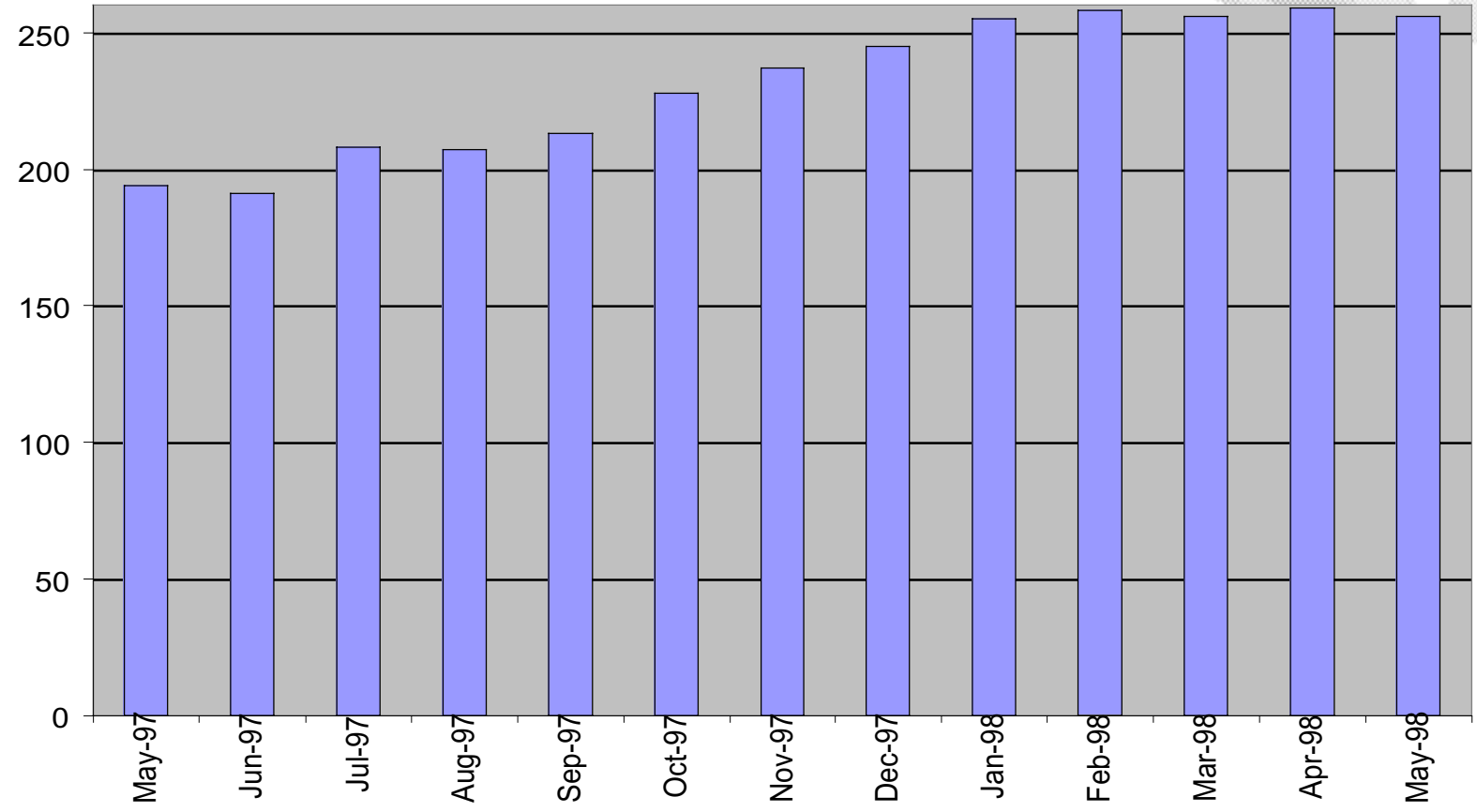
⑤ **Backlog of major, minor, and design SPRs**

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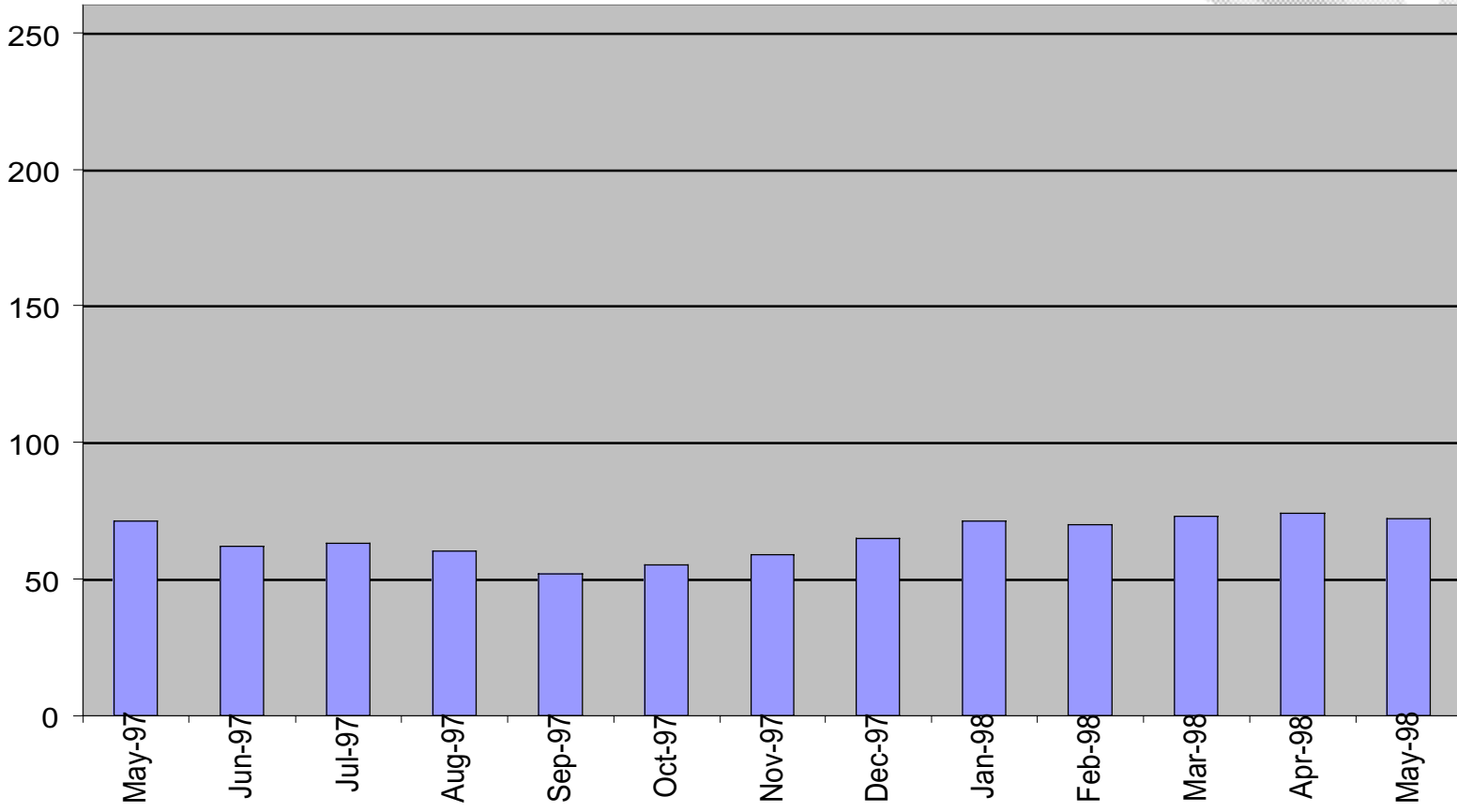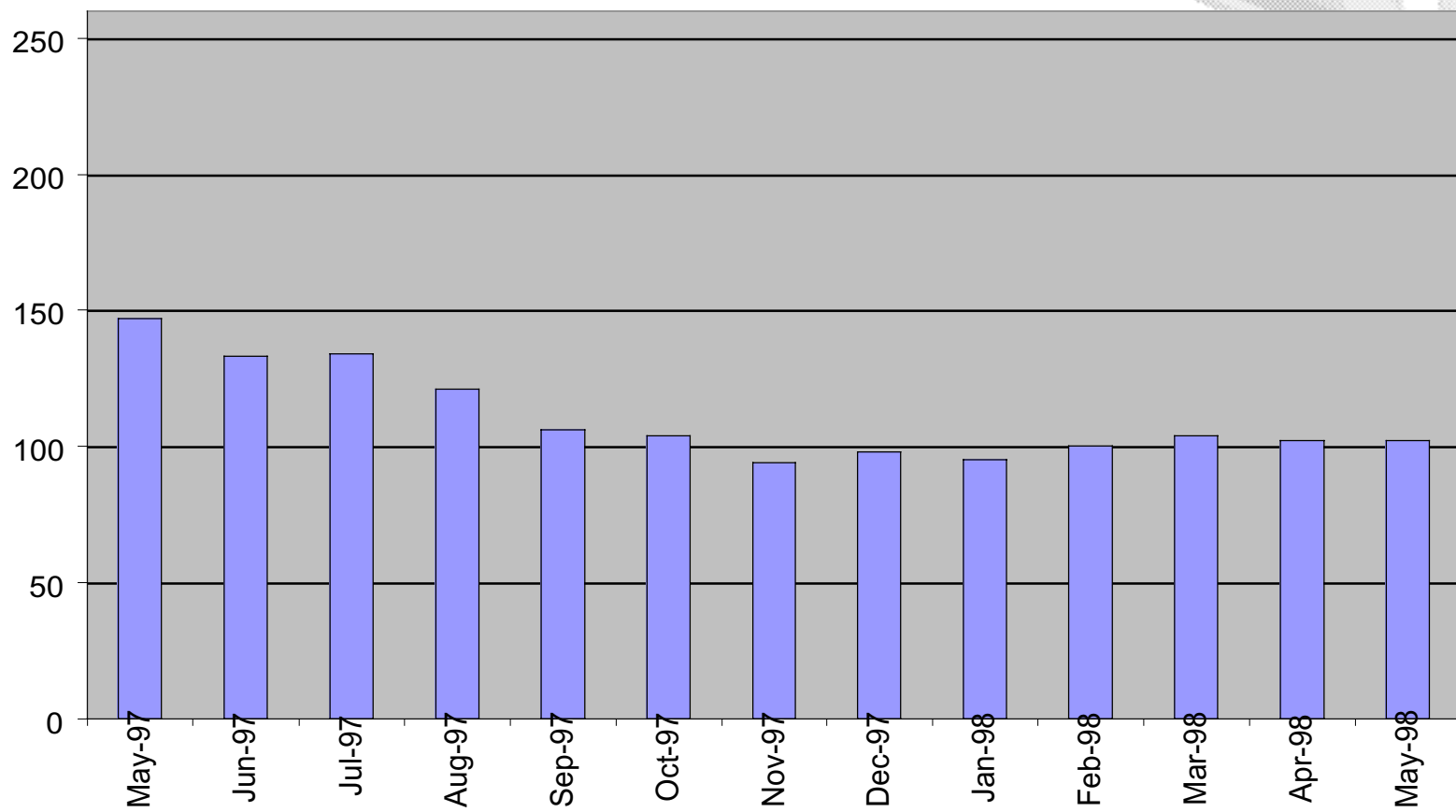
UNICOS Critical SPRs

UNICOS Urgent

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UNICOS Major

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UNICOS Minor

UNICOS Design

J90 Software MTTI

ALL J90 - SW MTTI
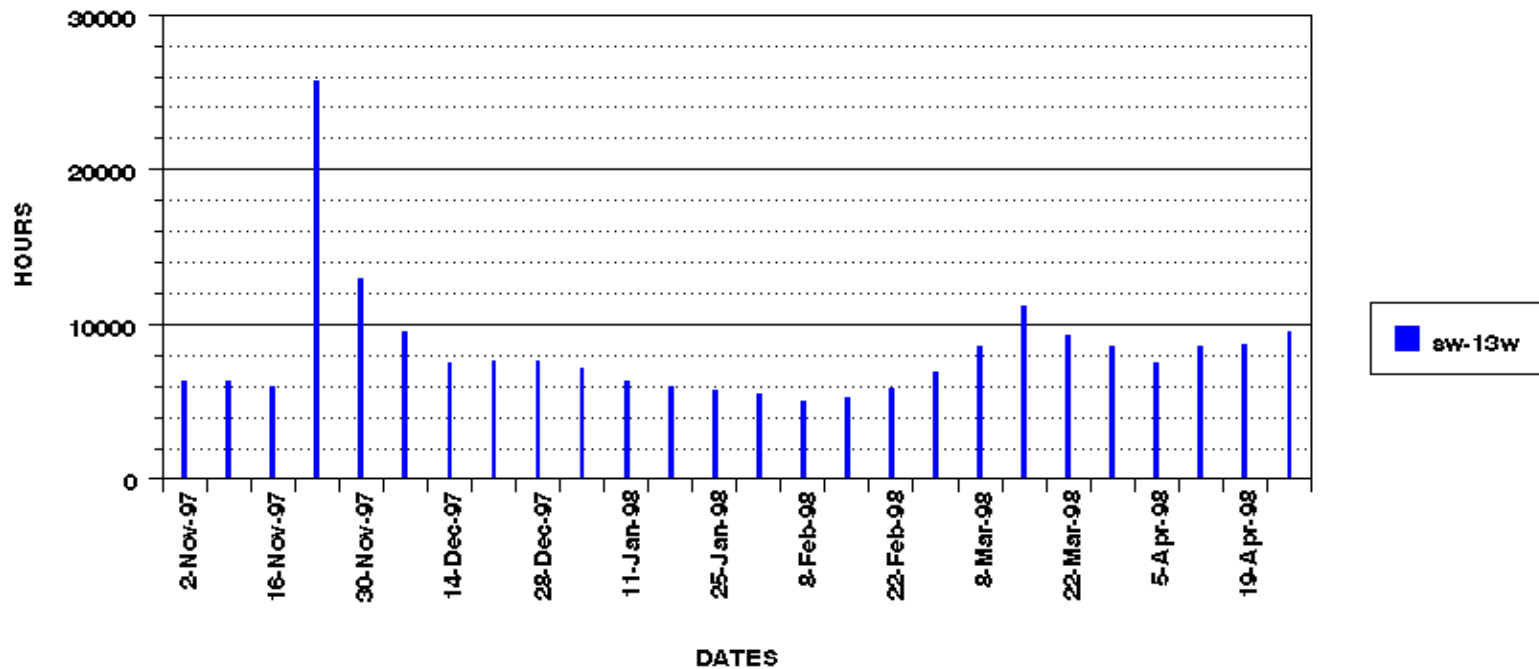(Rolling 13-week averages)

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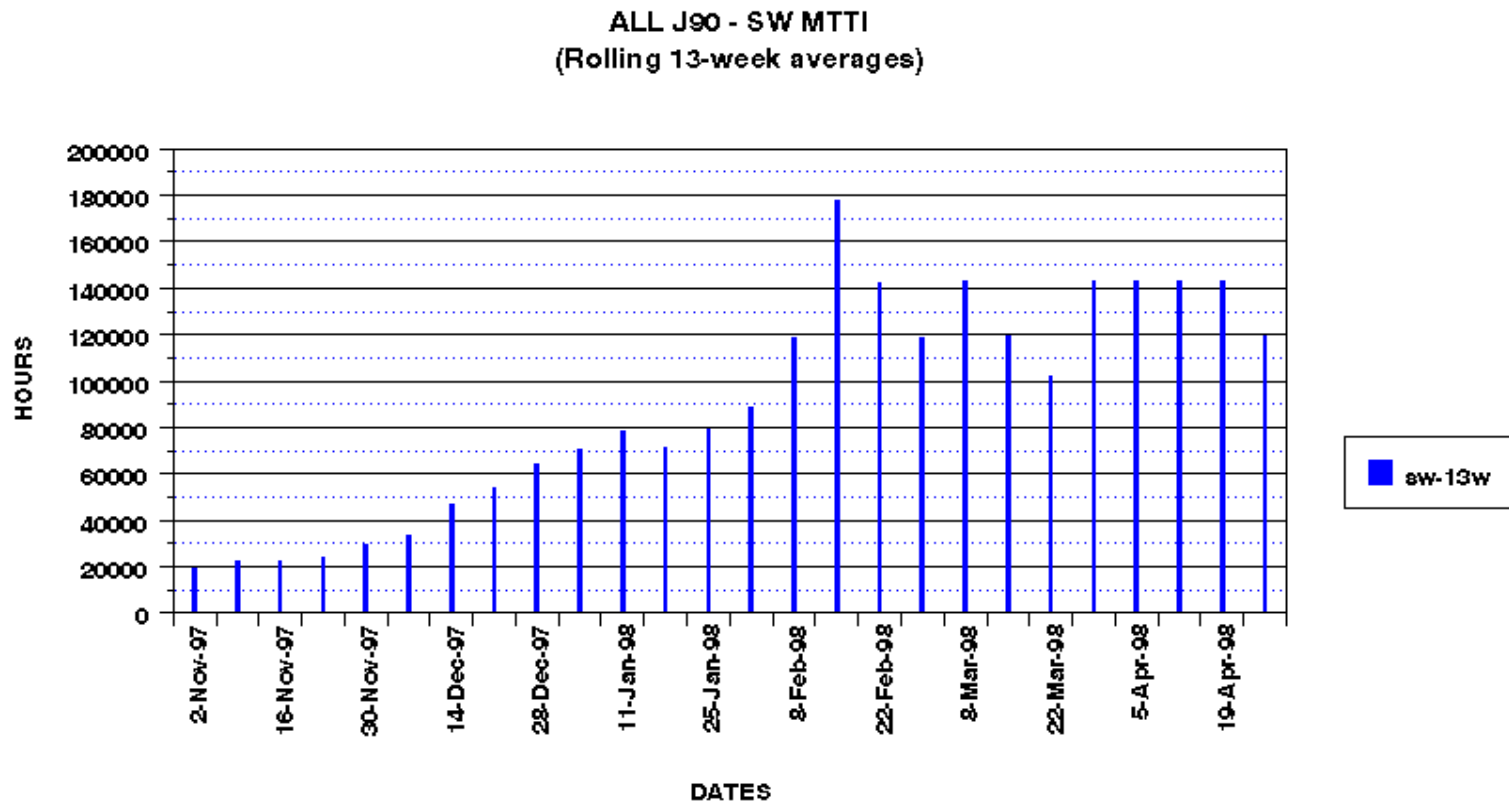
T90 Software MTTI

ALL T90 - SW MTTI
(Rolling 13-week averages)

sw-13w

Future UNICOS Enhancements

- **GigaRing performance enhancements**
  - Multithreading IO interrupts
  - Reducing host to host protocol overhead on large transfers
- **SV1 performance enhancements**
  - Multi-Streaming Processor (MSP) SV1
- **SuperCluster future enhancements under investigation**
  - Single point of administration
  - Enhanced monitoring tools
  - Reduced interconnect latency
- **Future hardware and I/O peripherals**

See GigaRing Host to Host presentation

See SV1 BOF

See SV1 BOF

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Summary

- **T90 software quality initiatives are complete**
- **10.0 is the last major UNICOS releases**
  - Continuously release updates to 10.0
  - Updates will contain SPR fixes as well as new features
- **UNICOS 10.0 supported through 2004 for GR platforms**
- **SPR trends for criticals and urgents are down**
  - This is consistant with our support priorities
- **Several enhancements planned for 10.0**

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