



Educação, Pesquisa
e Inovação em Rede

Relatório de junho de 2023

Nathan Muniz da Silva

Julho de 2023

Indisponibilidade por tipo de falha

PoP	Operadora	Infraestrutura PoP	Prog-PoP	Prog-Operadora	Prog-DAERO	PoP-Concentrador	Staff-PoP	Staff-DAERO	Roteador
AC	09:16:10	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00
AL	00:54:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00
AM	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00
AP	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00
BA	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00
CE	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00
DF	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00
ES	13:41:20	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00
GO	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00
MA	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00
MG	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00
MS	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00
MT	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00
PA	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00
PB	00:54:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00
PE	00:54:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00
PI	28:37:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00
PR	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00
RJ	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00
RN	00:52:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00
RO	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00
RR	06:06:30	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00
RS	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00
SC	00:00:00	00:54:20	00:54:30	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00
SE	00:54:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00
SP	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00
TO	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00

Tabela 1: Indisponibilidade por tipo de falha | de 01/06/2023 a 30/06/2023

- **Operadora:** indisponibilidade causada por falha nos enlaces de operadora atendendo o PoP.
- **Infraestrutura PoP:** indisponibilidade causada por falha no fornecimento de energia elétrica do PoP.
- **Prog-PoP:** indisponibilidade causada por manutenção programada solicitada pelo PoP.
- **Prog-operadora:** indisponibilidade causada por manutenção programada solicitada por operadora.
- **Prog-daero:** indisponibilidade causada por manutenção programada solicitada pela DAERO/RNP.
- **PoP-concentrador:** indisponibilidade em um PoP que é decorrente da queda de um outro PoP concentrador.
- **Staff-daero:** indisponibilidade decorrente de ação direta da DAERO, incluindo erros de configuração roteadores e switches, interrupções de circuitos causadas por chamados abertos indevidamente, entre outros.
- **Staff-PoP:** indisponibilidade decorrente de ação direta do PoP, incluindo desligamentos acidentais, manuseio inadequado de cabos, problema de acesso físico ao PoP (para manutenção de operadoras),entre outros.
- **Roteador:** indisponibilidade causada por falhas de hardware/software de roteadores.

Indisponibilidade total

PoP	Tempo Total	Tempo Total P/ Indicador	Disponibilidade	Disponibilidade P/ Indicador %
AC	09:16:10	09:16:10	98.713%	98.713%
AL	00:54:00	00:54:00	99.875%	99.875%
AM	00:00:00	00:00:00	100.000%	100.000%
AP	00:00:00	00:00:00	100.000%	100.000%
BA	00:00:00	00:00:00	100.000%	100.000%
CE	00:00:00	00:00:00	100.000%	100.000%
DF	00:00:00	00:00:00	100.000%	100.000%
ES	13:41:20	13:41:20	98.099%	98.099%
GO	00:00:00	00:00:00	100.000%	100.000%
MA	00:00:00	00:00:00	100.000%	100.000%
MG	00:00:00	00:00:00	100.000%	100.000%
MS	00:00:00	00:00:00	100.000%	100.000%
MT	00:00:00	00:00:00	100.000%	100.000%
PA	00:00:00	00:00:00	100.000%	100.000%
PB	00:54:00	00:54:00	99.875%	99.875%
PE	00:54:00	00:54:00	99.875%	99.875%
PI	28:37:00	28:37:00	96.025%	96.025%
PR	00:00:00	00:00:00	100.000%	100.000%
RJ	00:00:00	00:00:00	100.000%	100.000%
RN	00:52:00	00:52:00	99.880%	99.880%
RO	00:00:00	00:00:00	100.000%	100.000%
RR	06:06:30	06:06:30	99.152%	99.152%
RS	00:00:00	00:00:00	100.000%	100.000%
SC	01:48:50	00:54:20	99.748%	99.874%
SE	00:54:00	00:54:00	99.875%	99.875%
SP	00:00:00	00:00:00	100.000%	100.000%
TO	00:00:00	00:00:00	100.000%	100.000%

Tabela 2: Indisponibilidade total de 01/06/2023 a 30/06/2023 | Meta: 99,90%

- **Horas indisponíveis totais e Disponibilidade Percentual Total:** consideram todos os tipos de falha na sua composição.
- **Horas indisponíveis p/Indicador e Disponibilidade Percentual p/ indicador:** consideram todos os tipos de falha na sua composição, com exceção das falhas causadas por manutenções programadas (**prog-PoP**, **prog-operadora** e **prog-dadero**).