



*Informe de Operaciones Red CLARA*  
Agosto - 2016

**NOC-CLARA**

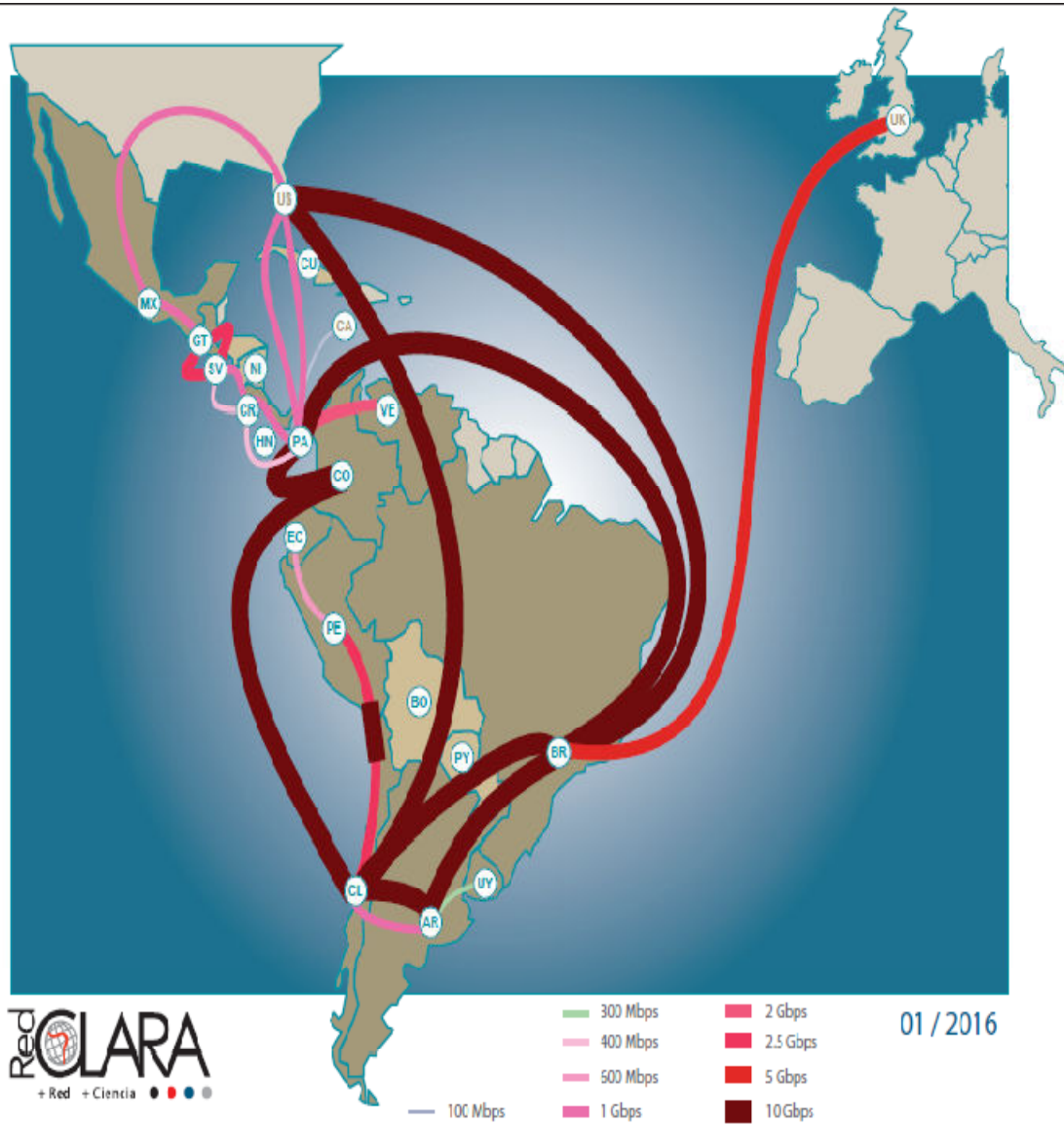
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# 1 Topología de Red

Troncal RedCLARA al 31 de Agosto de 2016

## 1.1 Diagrama

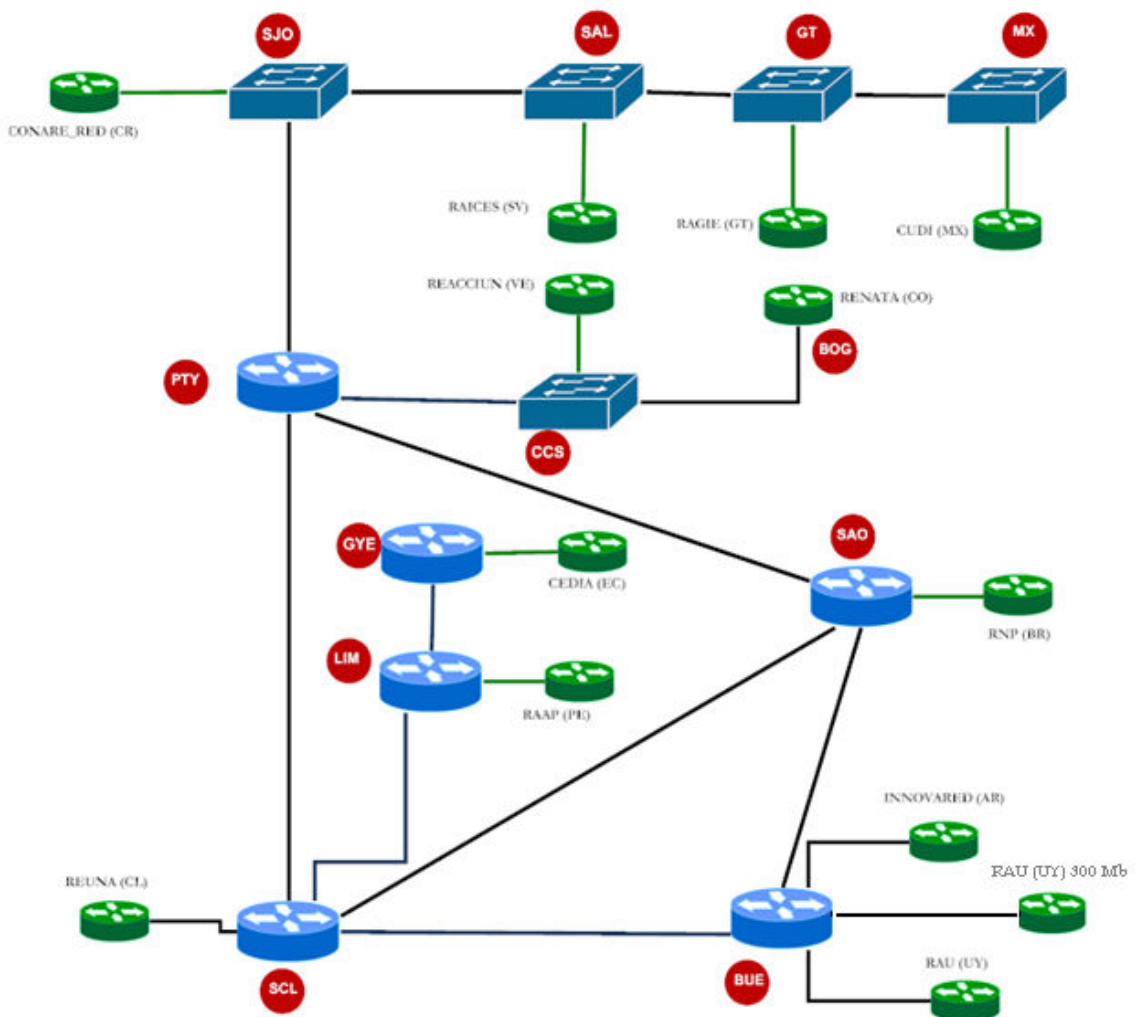


## 1.2 Detalle de Enlaces Troncal al Mes de Agosto

| Nº | Tramo      | Ancho Banda | Proveedor       | Observación                      |
|----|------------|-------------|-----------------|----------------------------------|
| 1  | SAO-MAD    | 5Gbps       | TISparkle       | Activado el 23 de Junio 2014     |
| 2  | SAO-MIA    | 1Gbps       | Level3          |                                  |
| 3  | PTY-BOG    | 10Gb        | Level 3         | Activado el 14 de Enero de 2016  |
| 4  | BUE-SCL    | 10Gb        | Silica Networks |                                  |
| 6  | LIM-SCL    | STM-1       | LANautilus      |                                  |
| 7  | GYE-LIM    | STM-4       | Internexa       |                                  |
| 8  | PTY-BOG    | 10Gb        | Level3          | Activado el 12 de Enero 2016     |
| 9  | PTY-VEN    | 1Gb         | Level3          | Activado en Noviembre 2011       |
| 10 | PTY-MIA(1) | 1Gb         | LANautilus      |                                  |
| 11 | SLC-BOG    | 10Gb        | Level 3         | Activado 12 de Enero 2016        |
| 12 | SAO-MAD2   | STM-16      | Level3          | Activado 21 de Abril 2012        |
| 13 | PTY-SJO    | STM-1       | GNS             | Activado 01 de Octubre 2012      |
| 14 | SJO-SV     | STM-1       | GNS             | Activado 15 de Enero 2013        |
| 15 | PTY-SCL2   | STM-16      | Level3          | Activado el 19 de Abril 2013     |
| 16 | PTY-SAO    | STM-16      | Level3          | Activado el 31 de Julio 2013     |
| 17 | SAO-SCL    | STM-16      | Level3          | Activado el 31 de Julio 2013     |
| 18 | SCL-LIM2   | 2.5Gb       | Telefonica      | Activado el 11 de Noviembre 2013 |
| 19 | SCL-US     | 10Gb        | Ampath          | Activado el 28 de Enero 2014     |
| 20 | BUE-UY     | 300Mbps     | ANTEL           | Activado el 12 de Abril 2016     |

### 1.3 Accesos RedCLARA al 31 de Agosto de 2016 (NRENs)

#### 1.3.1 Diagrama



### 1.3.2 Detalle Enlaces Accesos

| Nº | NREN      | País        | Ancho de Banda Act. | Proveedor | Comentario |
|----|-----------|-------------|---------------------|-----------|------------|
| 1  | CEDIA     | Ecuador     | 223                 | Internexa |            |
| 2  | CUDI      | México      | 200                 | Level3    |            |
| 3  | CONARE    | Costa Rica  | 400                 | Ufinet    |            |
| 4  | INNOVARED | Argentina   | 250                 | Level3    |            |
| 5  | RAGIE     | Guatemala   | 125                 | Ufinet    |            |
| 6  | RAICES    | El Salvador | 125                 | Ufinet    |            |
| 7  | RAU       | Uruguay     | 155                 | ANTEL     |            |
| 8  | REACCIUN  | Venezuela   | 100                 | Level3    |            |
| 9  | RENATA    | Colombia    | 500                 | Level3    |            |
| 10 | REUNA     | Chile       | 1350                | Ufinet    |            |
| 11 | RNP       | Brasil      | 6086                | Level3    |            |

### 1.3.3 Detalle Enlaces Respaldo

| Nº | País Origen | País Destino | Mbps Contratados | Proveedor  | Comentario |
|----|-------------|--------------|------------------|------------|------------|
| 1  | Chile       | Argentina    | 1024             | SILICA     |            |
| 2  | Panamá      | Costa Rica   | 100              | GNF-Ufinet |            |
| 3  | Costa Rica  | El Salvador  | 400              | GNF-Ufinet |            |

### Contratos Enlaces Internet Comercial

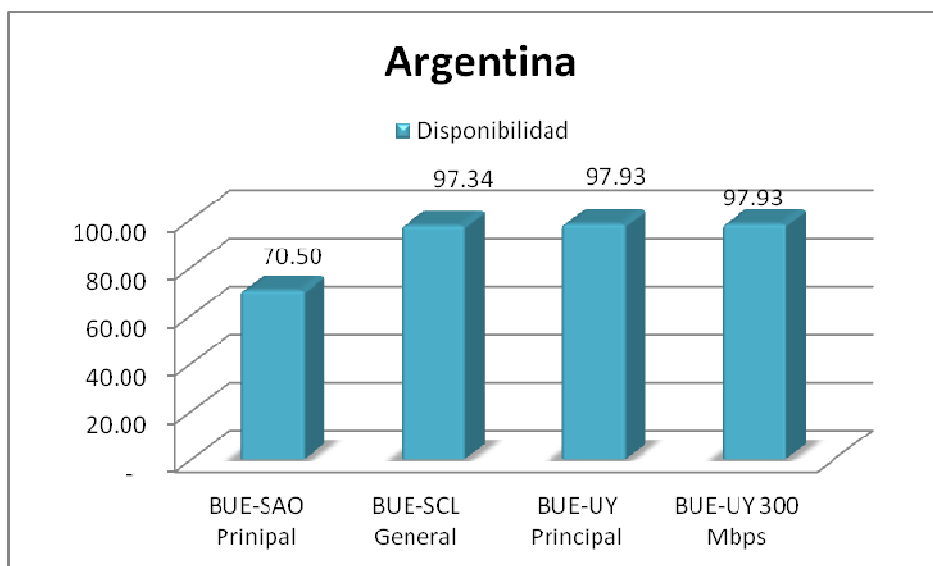
| Proveedor | Router   | Tipo enlace |
|-----------|----------|-------------|
| Terramark | Clara-us |             |
| AMPHAT    | Clara-us | 1 Gbps      |

## 2 Disponibilidad Troncal Red CLARA

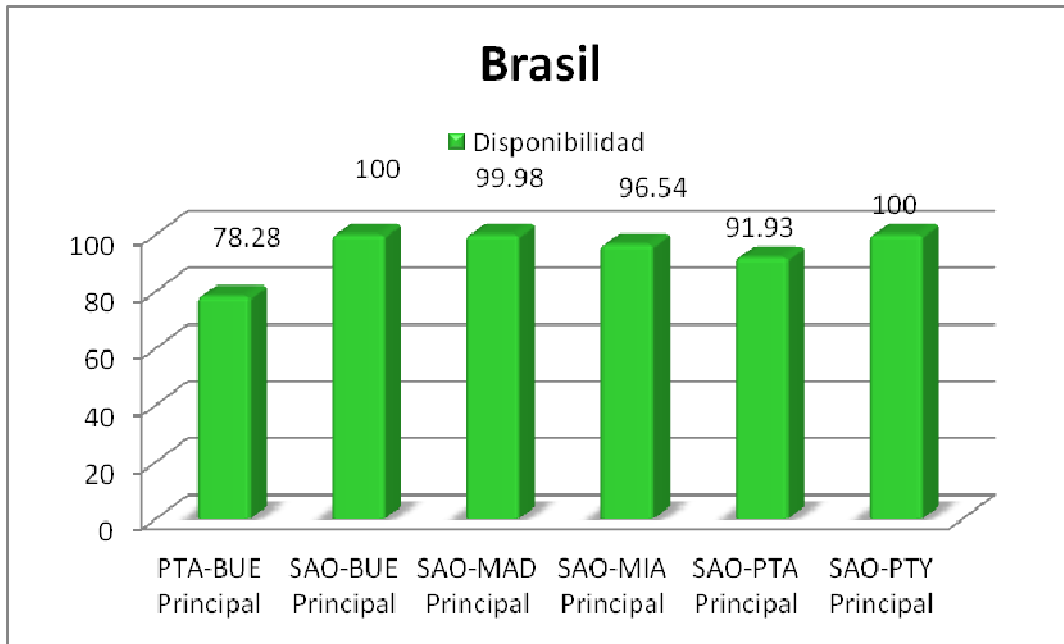
### 2.1 Disponibilidad Acumulada

| Tramo        | Agosto - 2016 | Disponibilidad Acumulada |
|--------------|---------------|--------------------------|
| BUE-SAO      | 70.50%        | 86.96%                   |
| SAO-UK       | 99.98%        | 91.84%                   |
| SAO-MIA      | 96.54%        | 91.58%                   |
| SAO-PTY      | 100%          | 91.99%                   |
| SCL-AR       | 76.26%        | 84.45%                   |
| SCL-BOG      | 99.12%        | 82.72%                   |
| SCL-LIM      | 99.45%        | 90.73%                   |
| SCL-SAO      | 99.56%        | 86.86%                   |
| SCL-US       | 98.35%        | 91.51%                   |
| BOG-CCS      | 99.93%        | 83.57%                   |
| GT-MX        | 99.55%        | 88.81%                   |
| PTY-BOG      | 99.45%        | 82.03%                   |
| PTY-MIA      | 100%          | 92%                      |
| SJO-PTY      | 100%          | 88%                      |
| SJO-SV       | 94.79%        | 86.44%                   |
| GYE-PE       | 82.12%        | 86.72%                   |
| BUE-SCL      | 97.34%        | 91.55%                   |
| BUE-UY       | 97.93%        | 91.77%                   |
| BUE-UY 300Mb | 97.93%        | 91.77%                   |

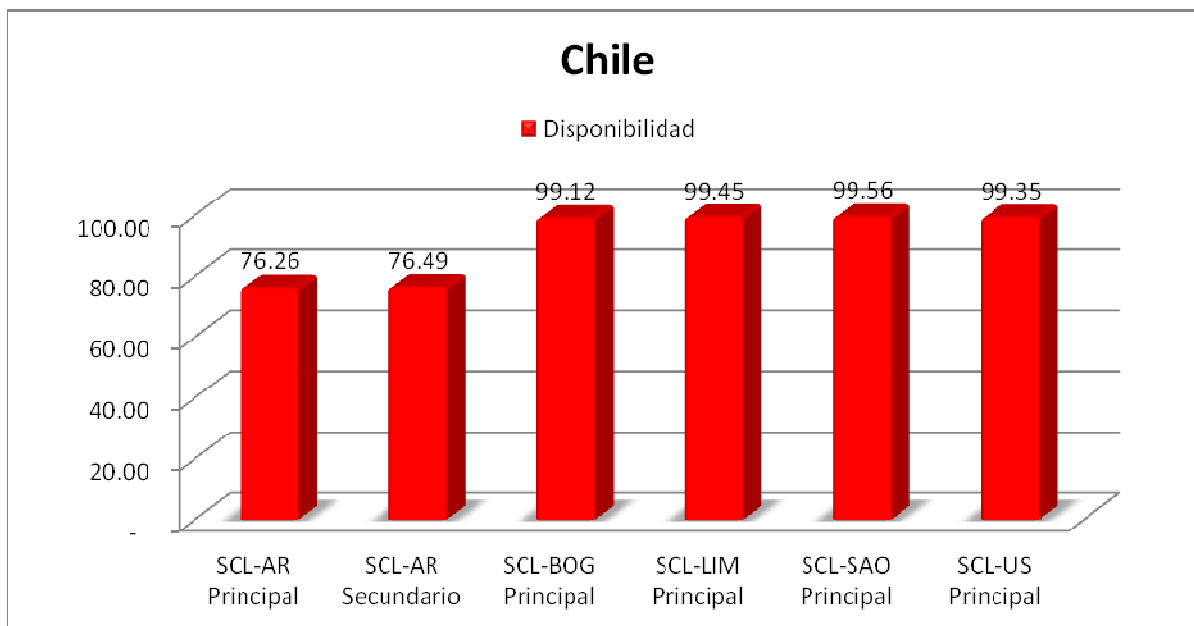
### Gráficas de Disponibilidad de Enlace por Región



Los valores de las gráficas se muestran en %

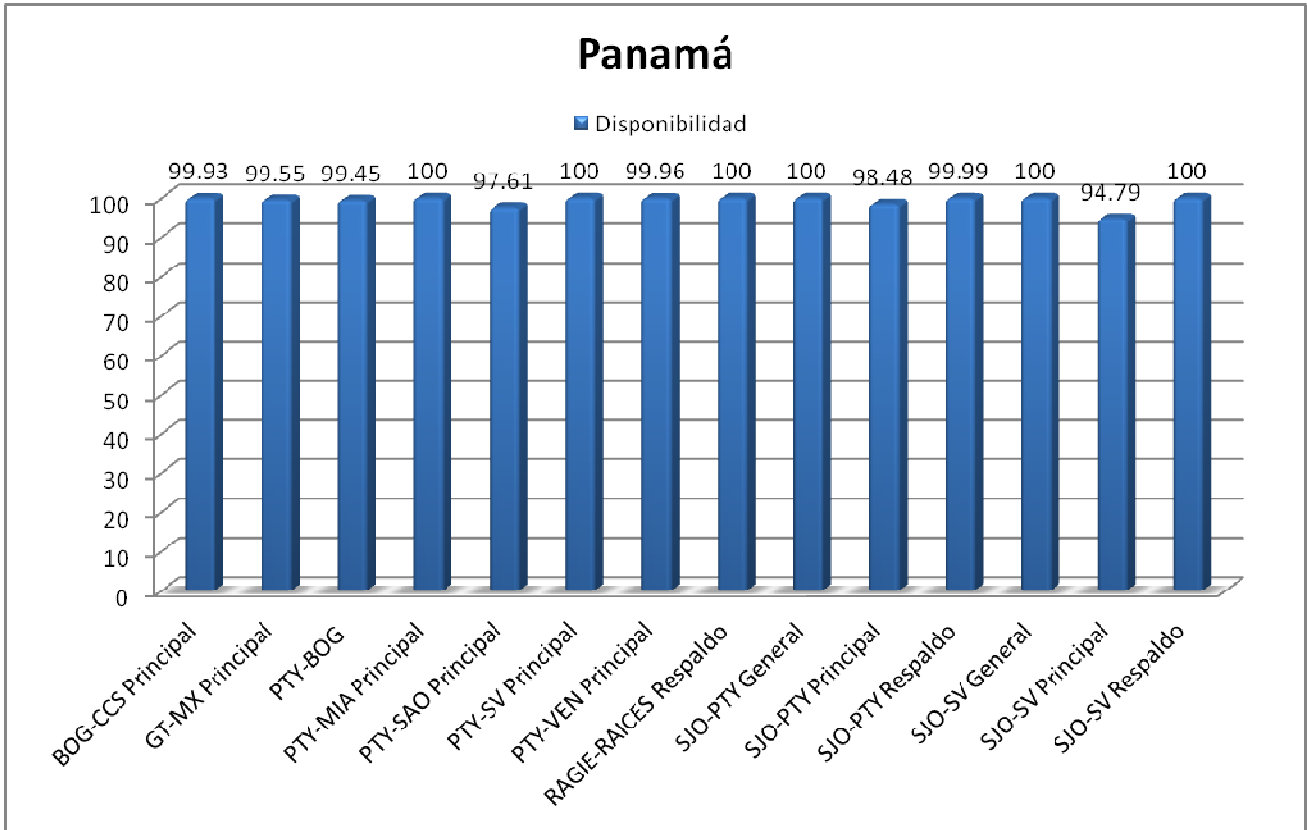


Los valores de las gráficas se muestran en %

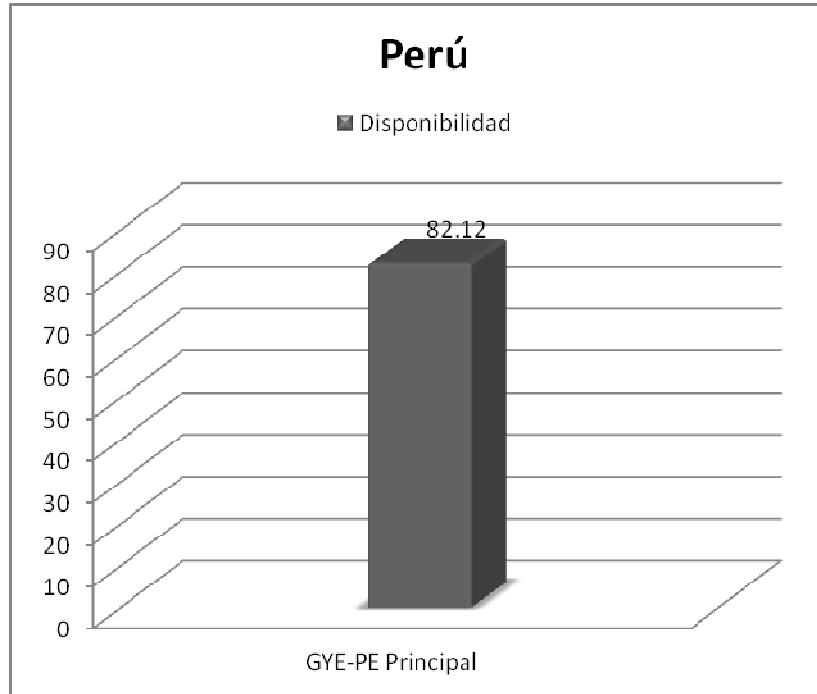


Los valores de las gráficas se muestran en %





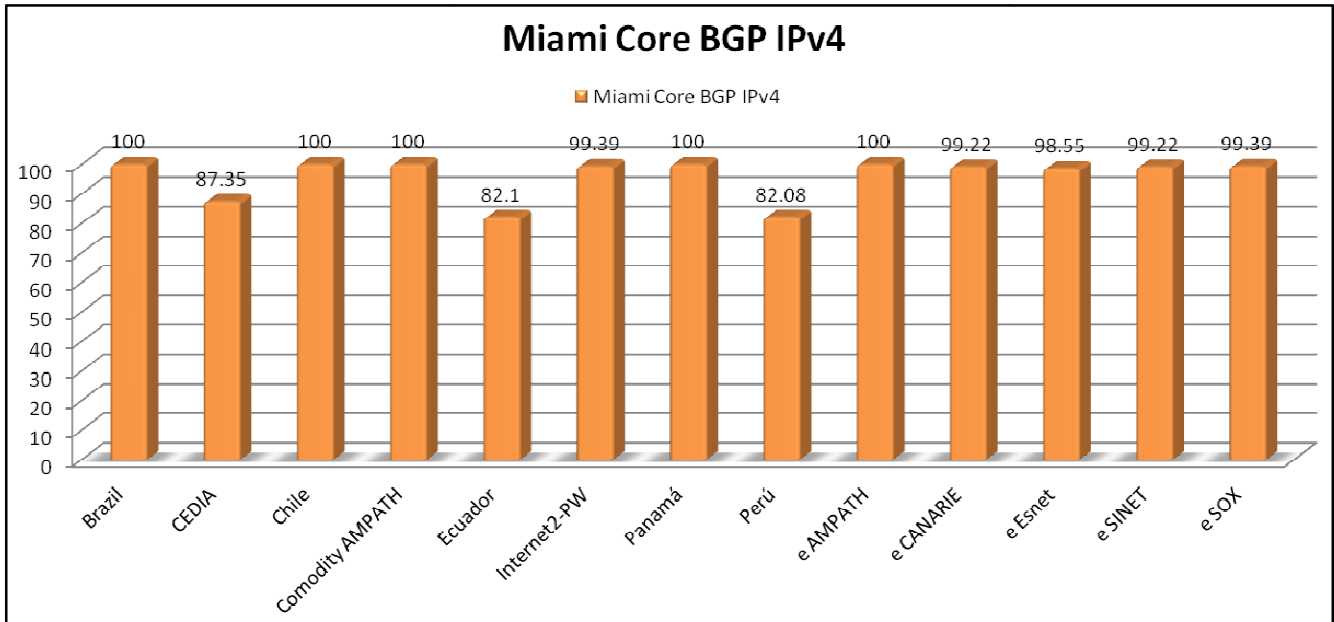
Los valores de las gráficas se muestran en %



Los valores de las gráficas se muestran en %

## 2.2 Disponibilidad en sesiones BGP

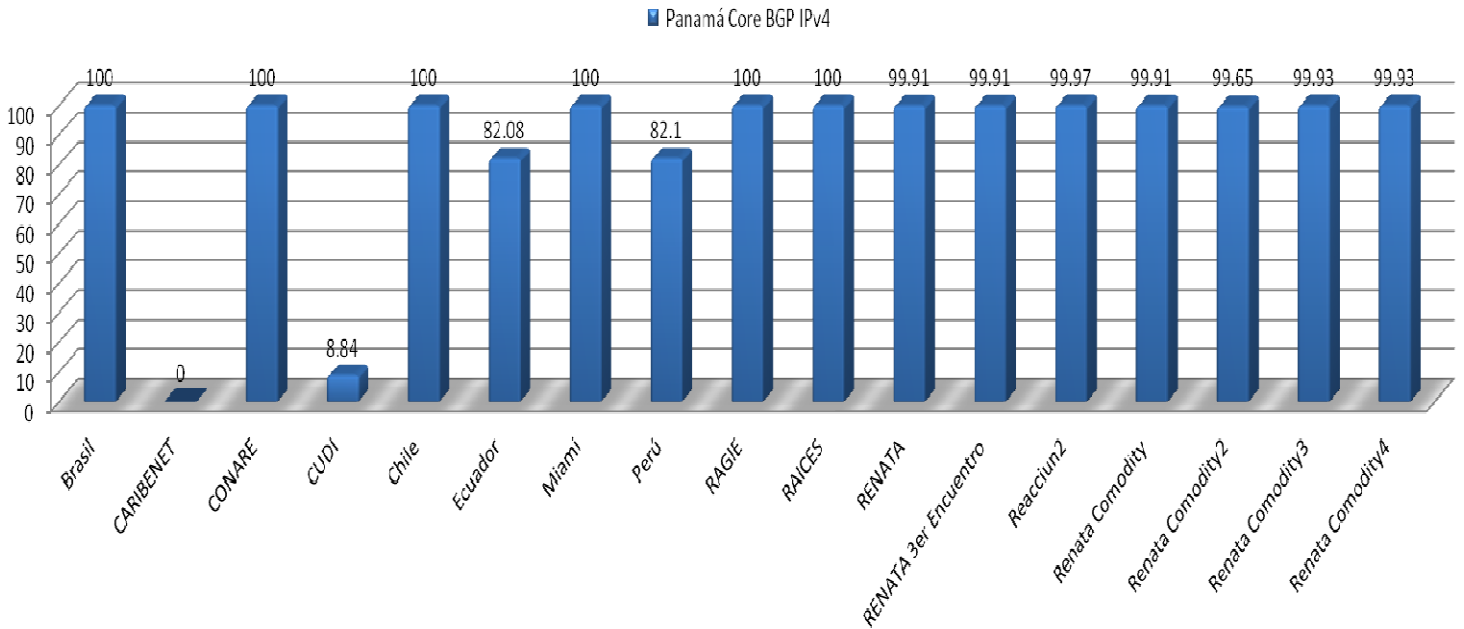
| NODO MIAMI      |                |
|-----------------|----------------|
| Neighbor        | Disponibilidad |
| Brasil          | 100%           |
| CEDIA           | 87.35%         |
| Chile           | 100%           |
| Comodity AMPATH | 100%           |
| Ecuador         | 82.1%          |
| Internet2-PW    | 99.39%         |
| Panamá          | 100%           |
| Perú            | 82.08%         |
| e AMPATH        | 100%           |
| e CANARIE       | 99.22%         |
| e Esnet         | 98.55%         |
| e SINET         | 99.22%         |
| e SOX           | 99.39%         |



Los valores se muestran en %

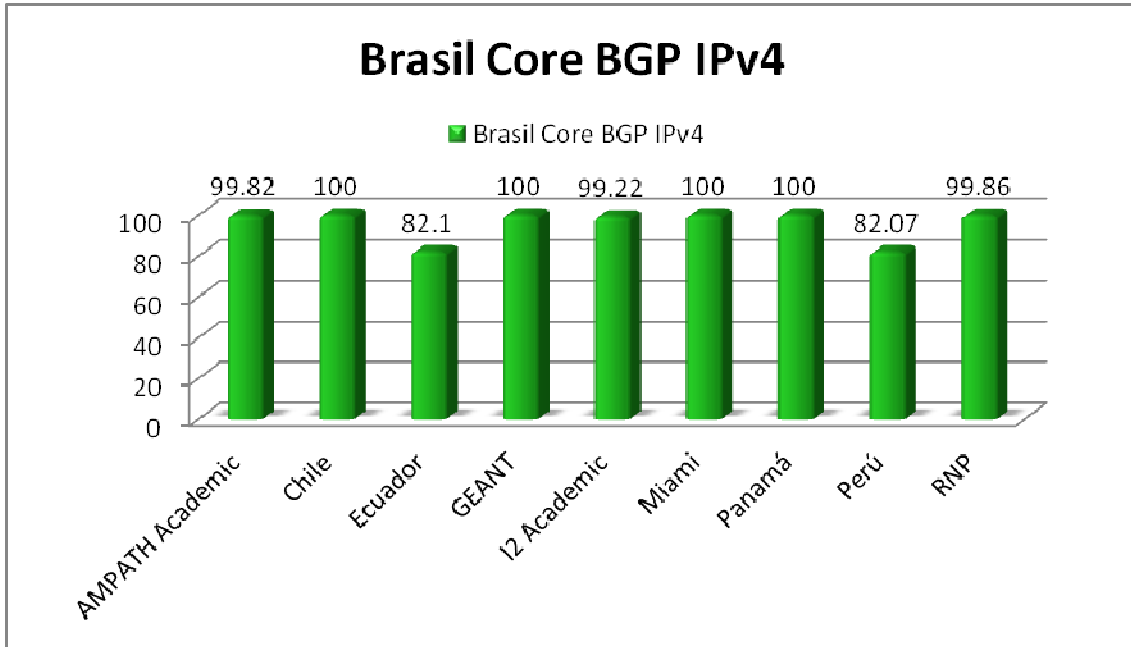
| NODO PANAMÁ          |                |
|----------------------|----------------|
| Neighbor             | Disponibilidad |
| Brasil               | 100%           |
| CARIBENET            | 0%             |
| CONARE               | 100%           |
| CUDI                 | 8.84%          |
| Chile                | 100%           |
| Ecuador              | 82.08%         |
| Miami                | 100%           |
| Perú                 | 82.1%          |
| RAGIE                | 100%           |
| RAICES               | 100%           |
| RENATA               | 99.91%         |
| RENATA 3er Encuentro | 99.91%         |
| Reacciu2             | 99.97%         |
| Renata Comodity      | 99.91%         |
| Renata Comodity2     | 99.65%         |
| Renata Comodity3     | 99.93%         |
| Renata Comodity4     | 99.93%         |

### Panamá Core BGP IPv4



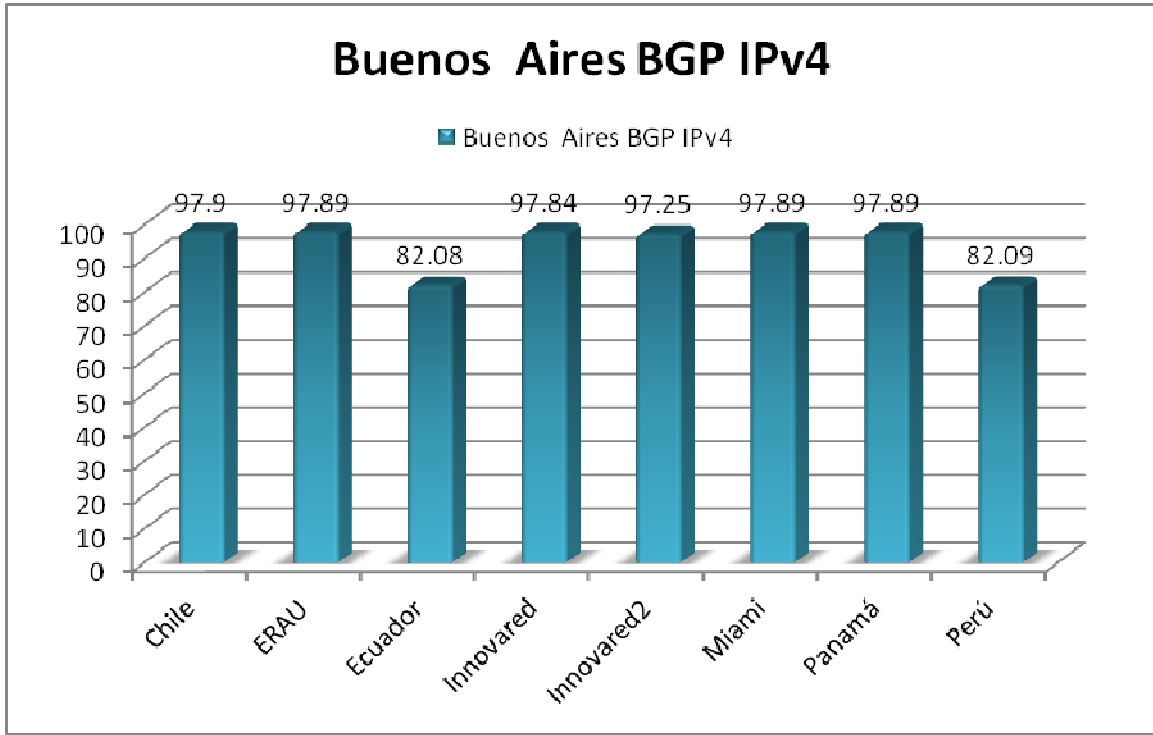
Los valores están expresados en %

| NODO BRASIL     |                |
|-----------------|----------------|
| Neighbor        | Disponibilidad |
| AMPATH Academic | 99.82%         |
| Chile           | 100%           |
| Ecuador         | 82.1%          |
| GEANT           | 100%           |
| I2 Academic     | 99.22%         |
| Miami           | 100%           |
| Panamá          | 100%           |
| Perú            | 82.07%         |
| RNP             | 99.86%         |



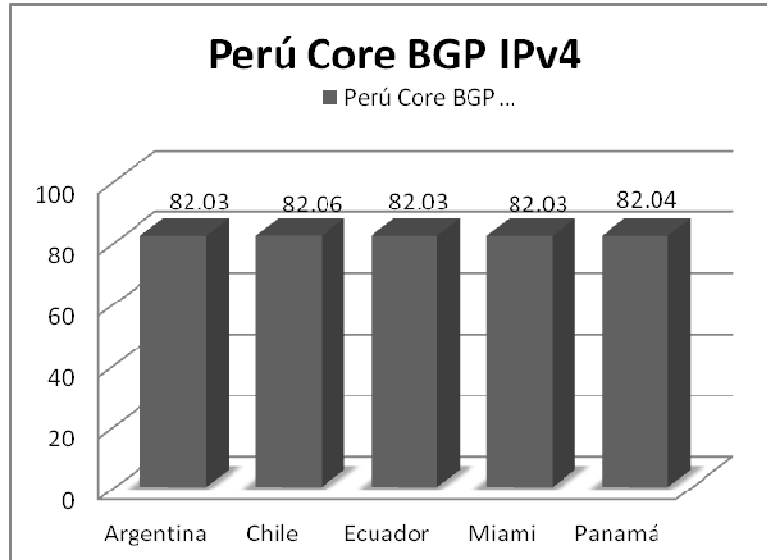
Los valores están expresados en %

| NODO ARGENTINA |                |
|----------------|----------------|
| Neighbor       | Disponibilidad |
| Chile          | 97.9%          |
| ERAU           | 97.89%         |
| Ecuador        | 82.08%         |
| Innovared      | 97.84%         |
| Innovared2     | 97.25%         |
| Miami          | 97.89%         |
| Panamá         | 97.89%         |
| Perú           | 82.09%         |



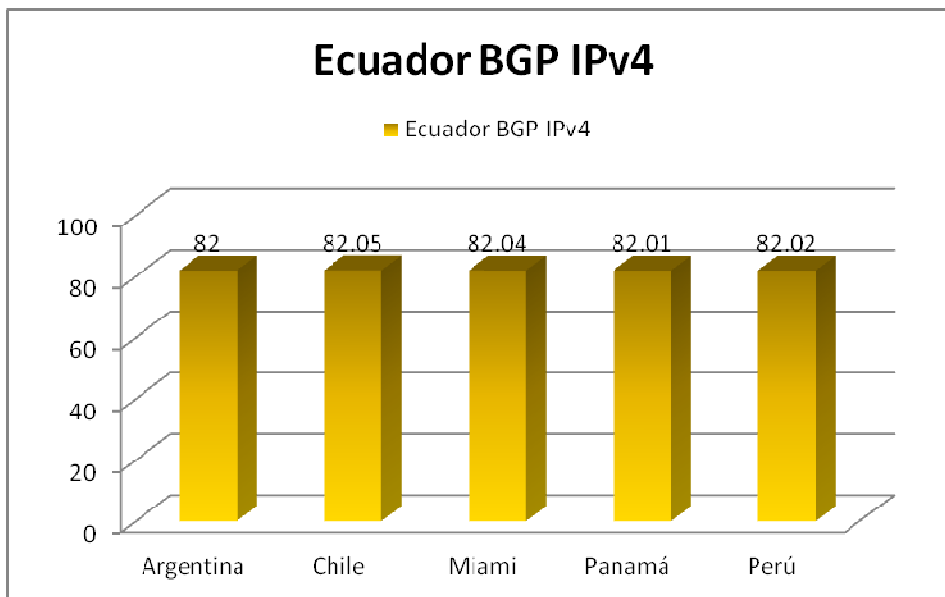
Los valores están expresados en %

| NODO PERÚ |                |
|-----------|----------------|
| Neighbor  | Disponibilidad |
| Argentina | 82.03%         |
| Chile     | 82.06%         |
| Ecuador   | 82.03%         |
| Miami     | 82.03%         |
| Panamá    | 82.04%         |



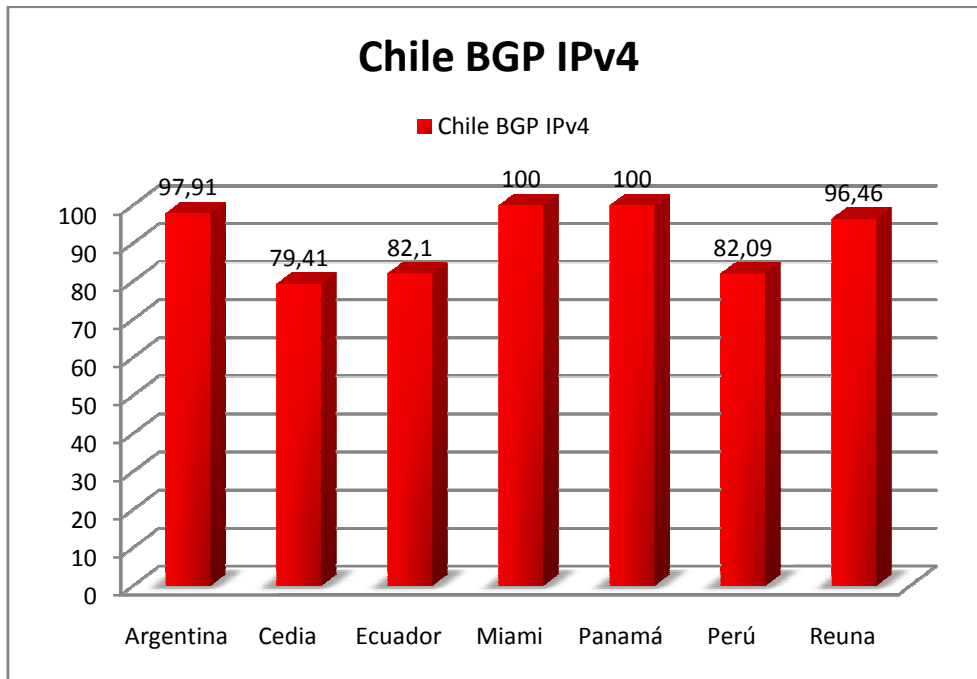
Los valores están expresados en %

| NODO ECUADOR |                |
|--------------|----------------|
| Neighbor     | Disponibilidad |
| Argentina    | 82%            |
| Chile        | 82.05%         |
| Miami        | 82.04%         |
| Panamá       | 82.01%         |
| Perú         | 82.02%         |



Los valores de las gráficas están expresados en %

| NODO CHILE |                |
|------------|----------------|
| Neighbor   | Disponibilidad |
| Argentina  | 97.91%         |
| CEDIA      | 79.41%         |
| Ecuador    | 82.1%          |
| Miami      | 100%           |
| Panamá     | 100%           |
| Perú       | 82.09%         |
| REUNA      | 96.46%         |



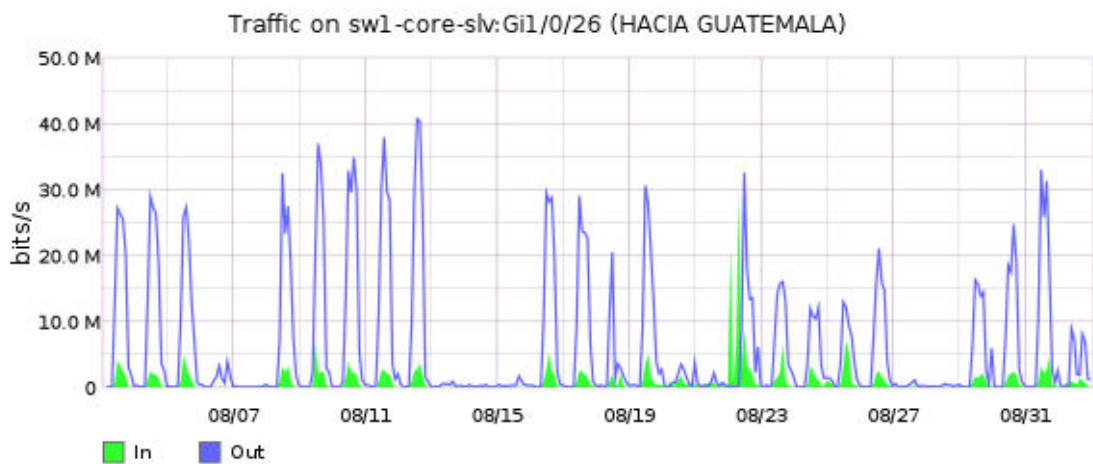
Los valores de las graficas están expresados en %



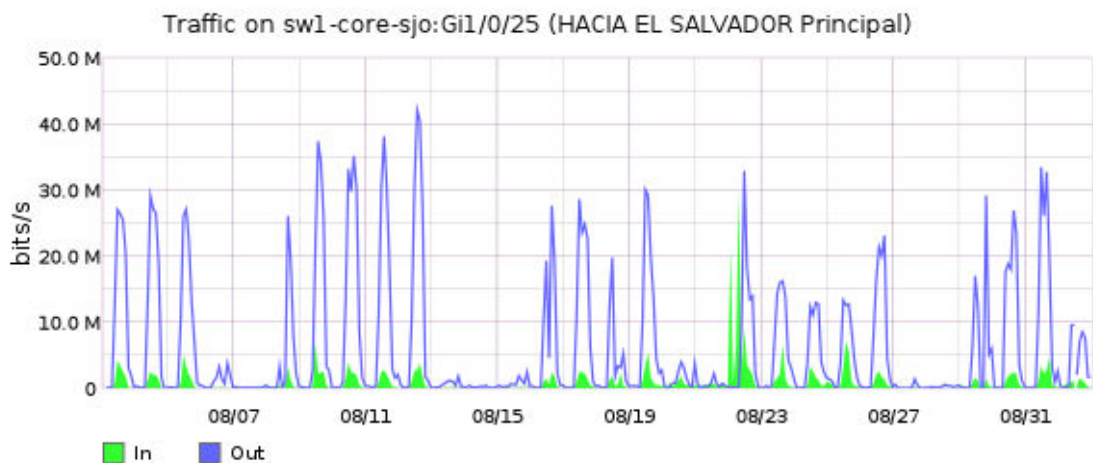
### 3 Detalles de Tráfico

#### 3.1 Tráficos Troncal RedCLARA

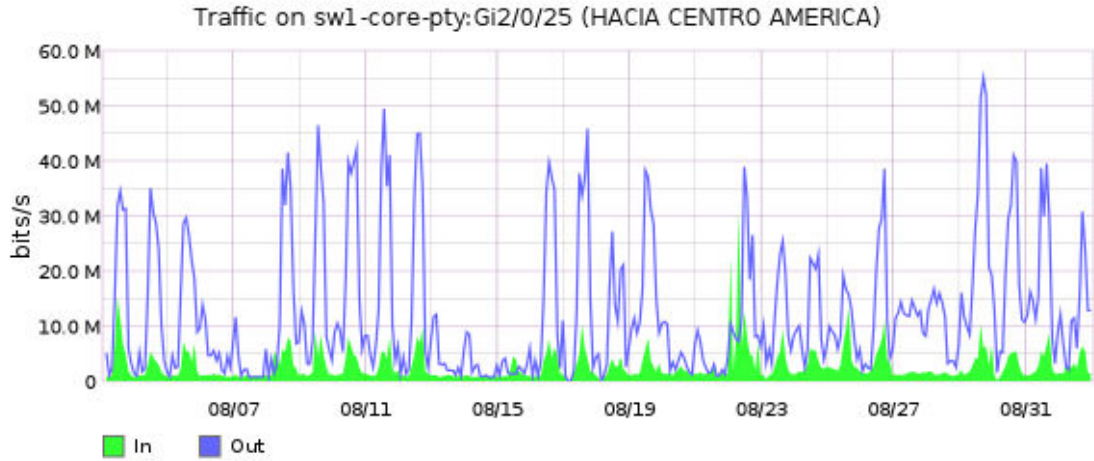
##### GT-MX Principal



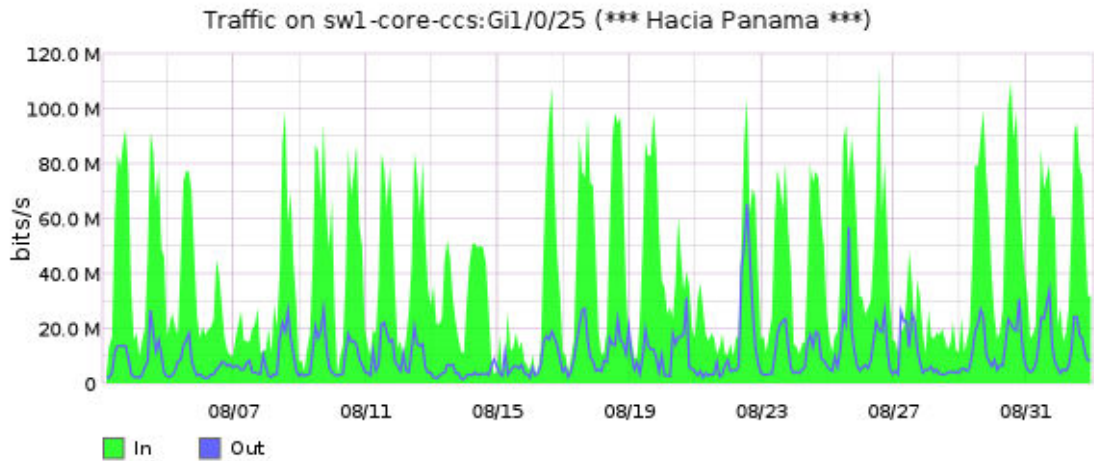
##### SJO-SV Principal



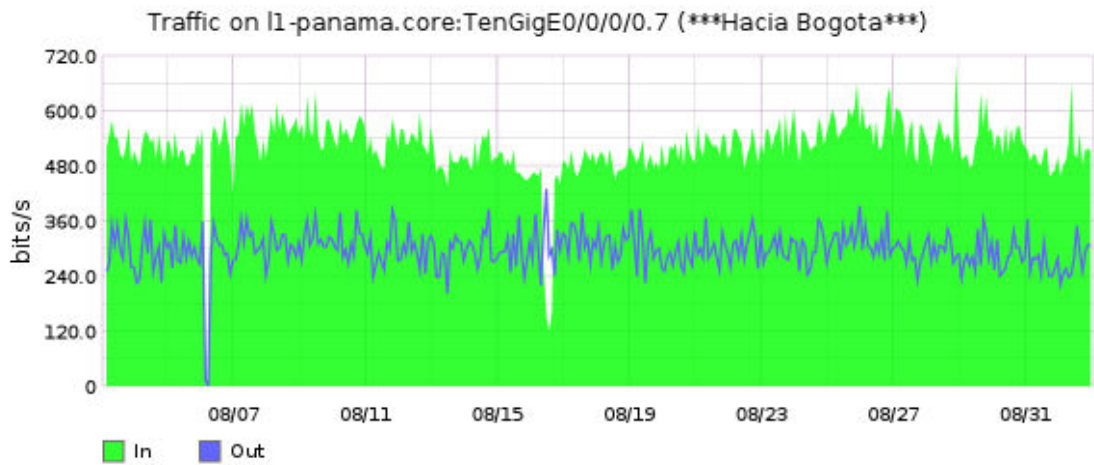
### SJO-PTY Principal



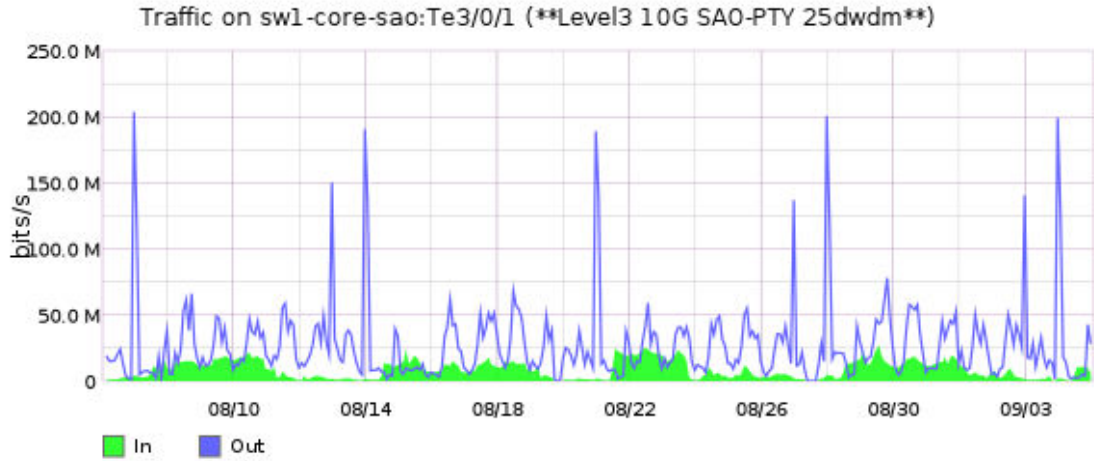
### PTY-VEN Principal



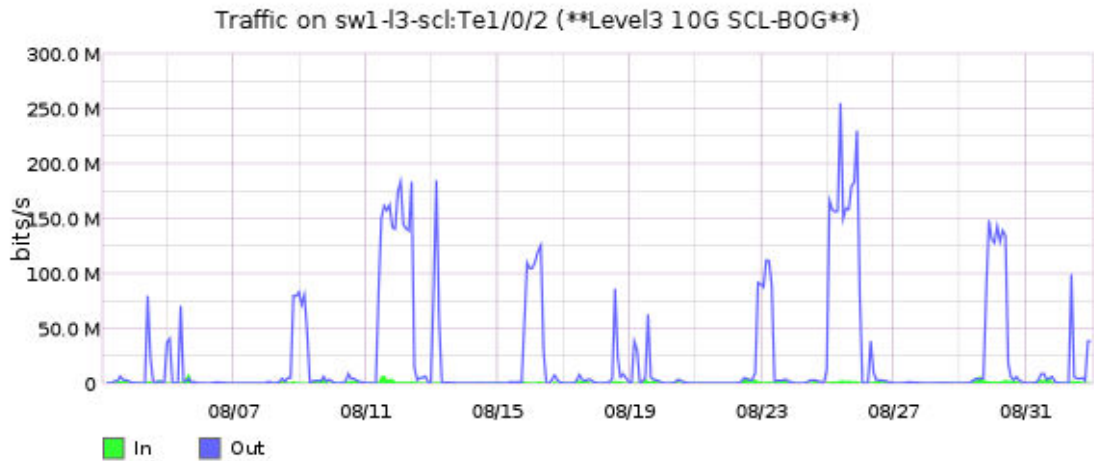
### PTY-BOG Principal



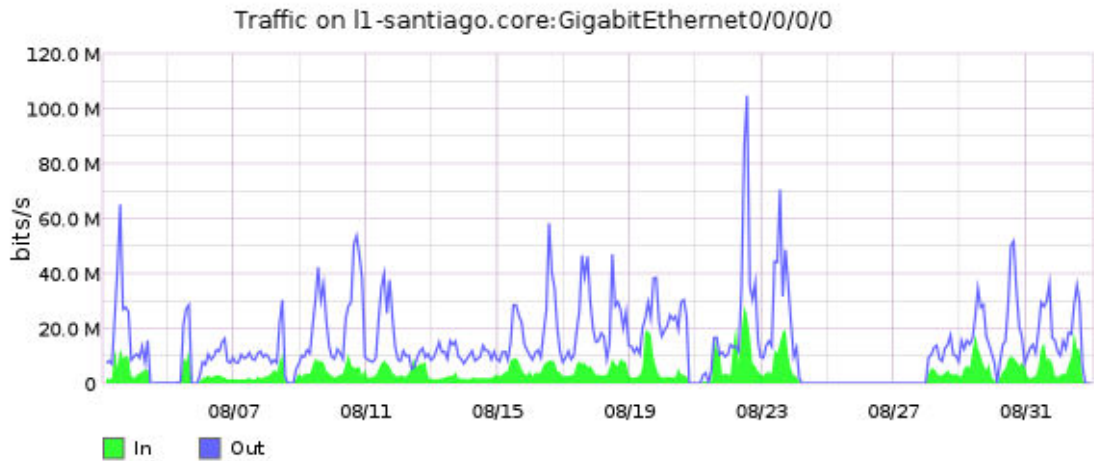
### PTY-SAO Principal



### SCL-BOG Principal

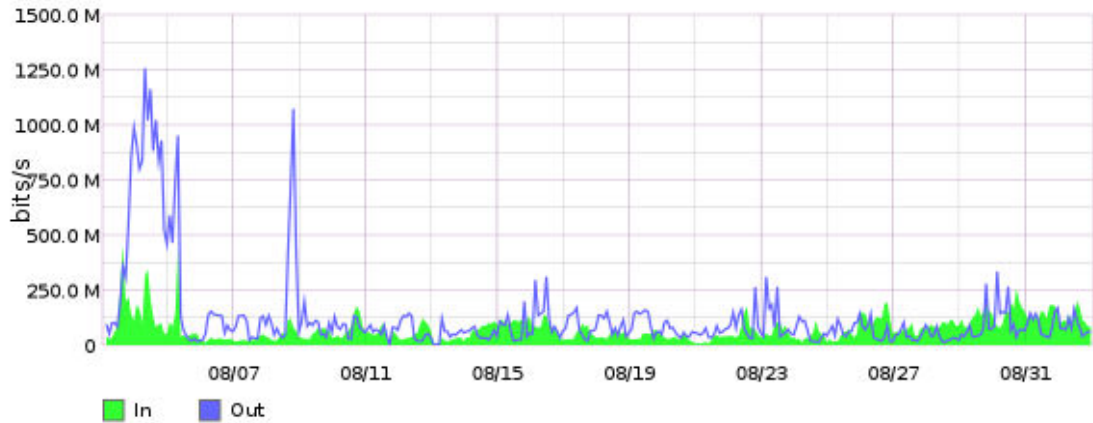


### SCL-LIM Principal



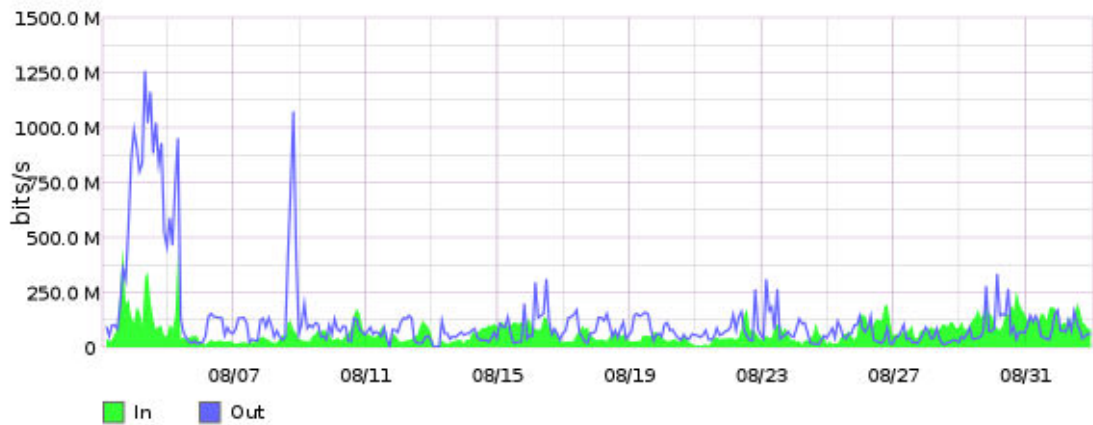
### SCL-SAO Principal

Traffic on sw1-l3-scl:Te3/0/1 (\*\*Level3 10G SCL-SAO \*\*)



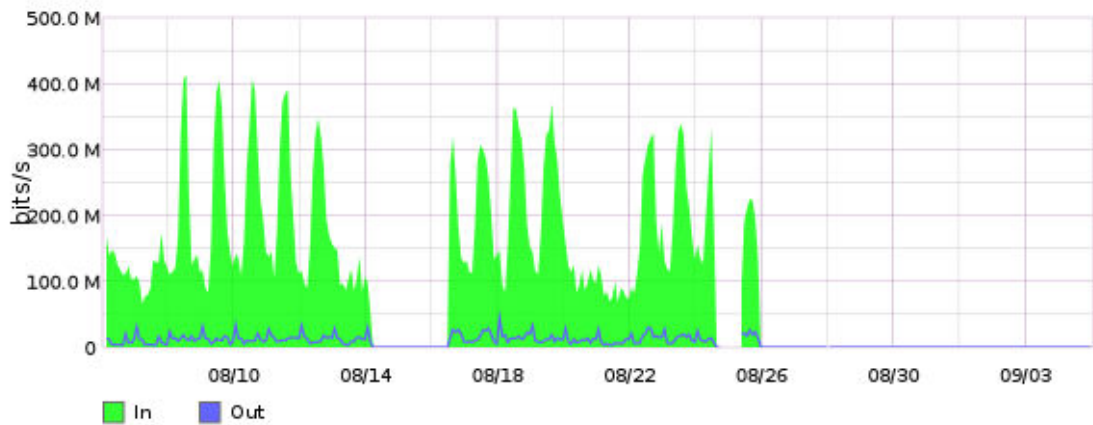
### SCL-AR Principal

Traffic on sw1-l3-scl:Te3/0/1 (\*\*Level3 10G SCL-SAO \*\*)

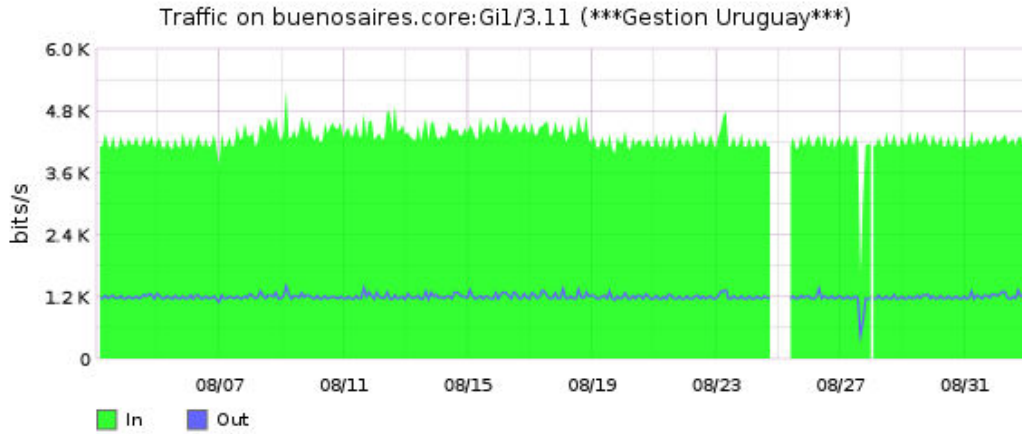


### BUE-SAO Principal

Traffic on buenosaires.core:Gi1/3.850 (CLARA-AR - CLARA-BR [1G|Level3])

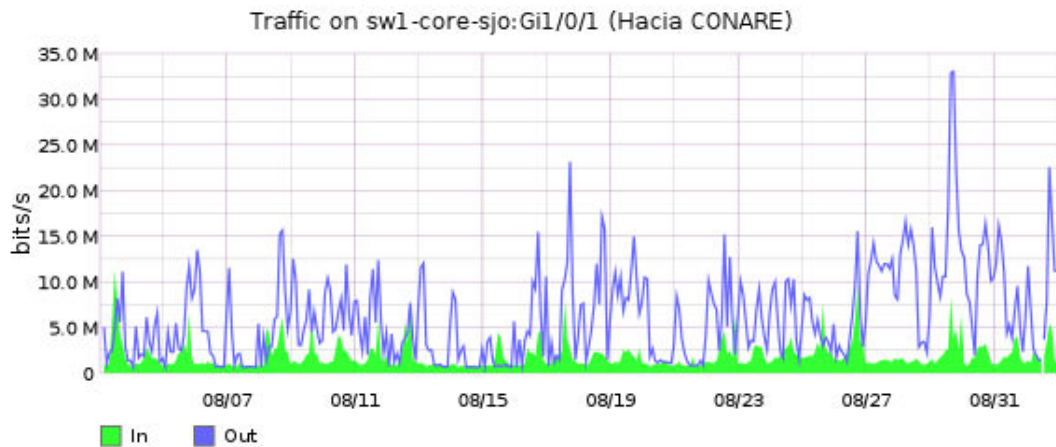


## BUE-UY Principal

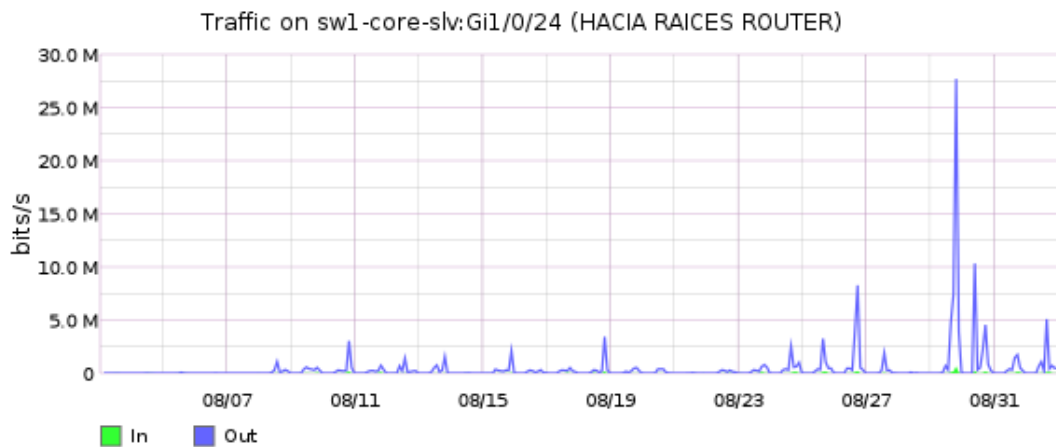


### 1.1 Traffic NRENS

#### CONARE

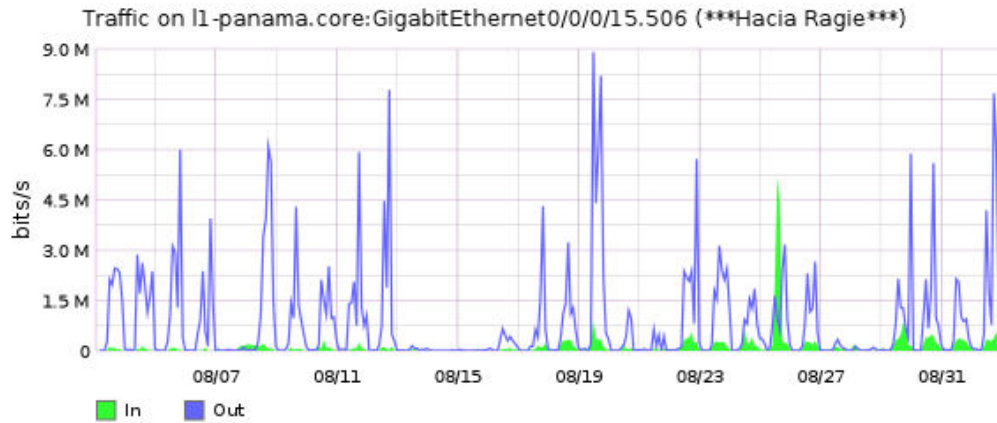


#### RAICES

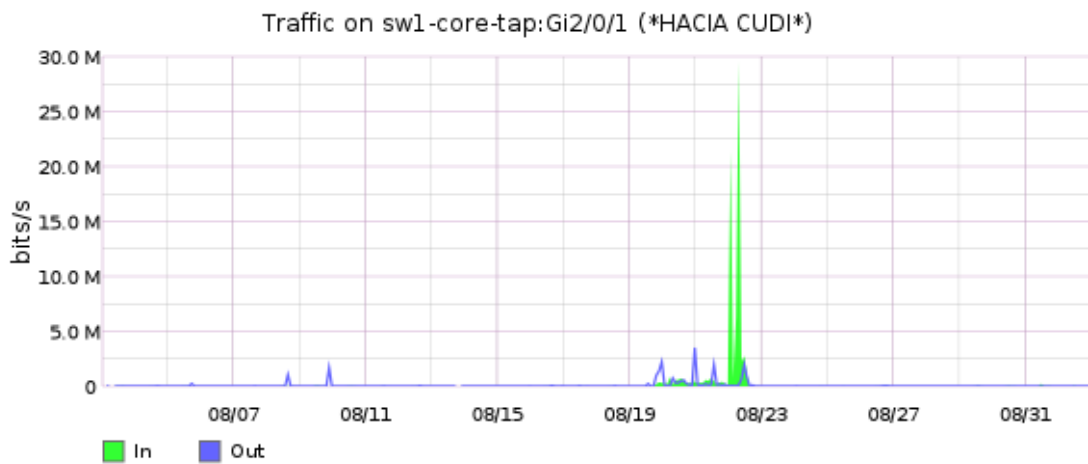




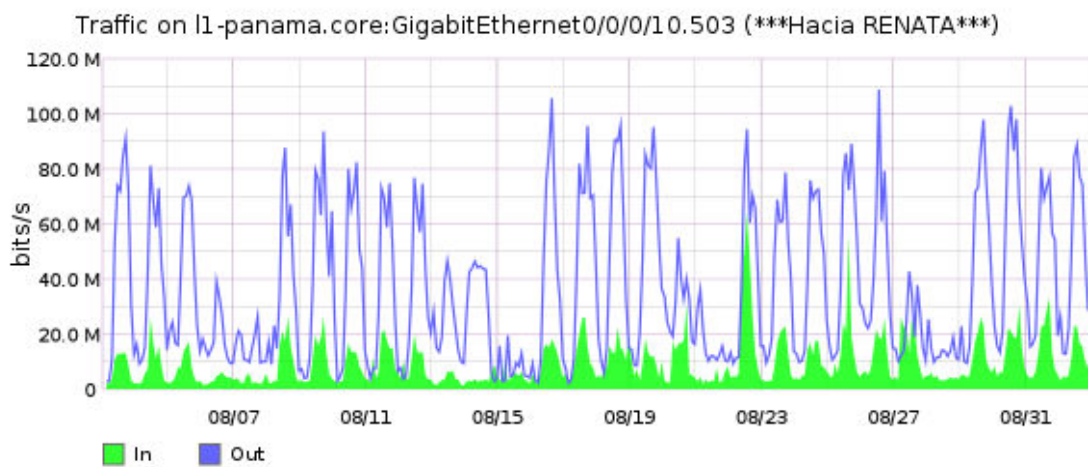
### RAGIE



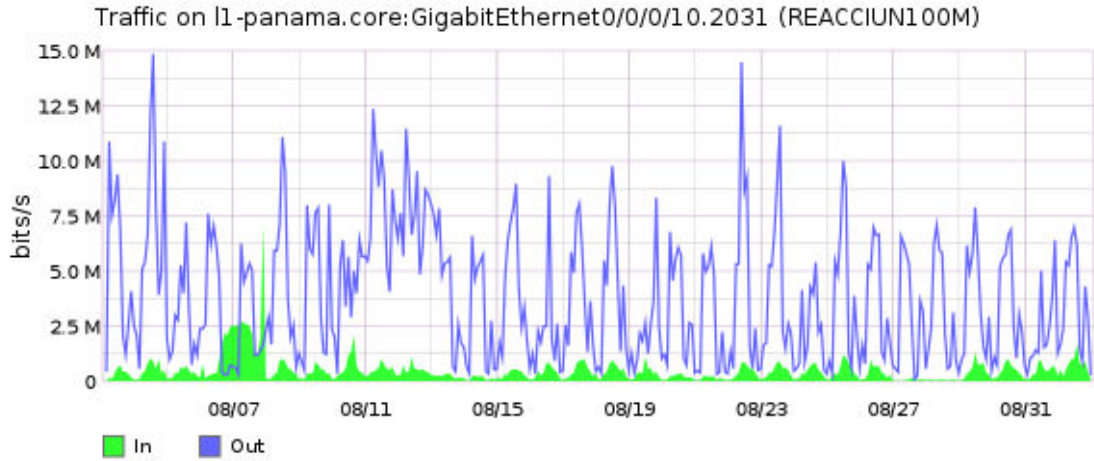
### CUDI



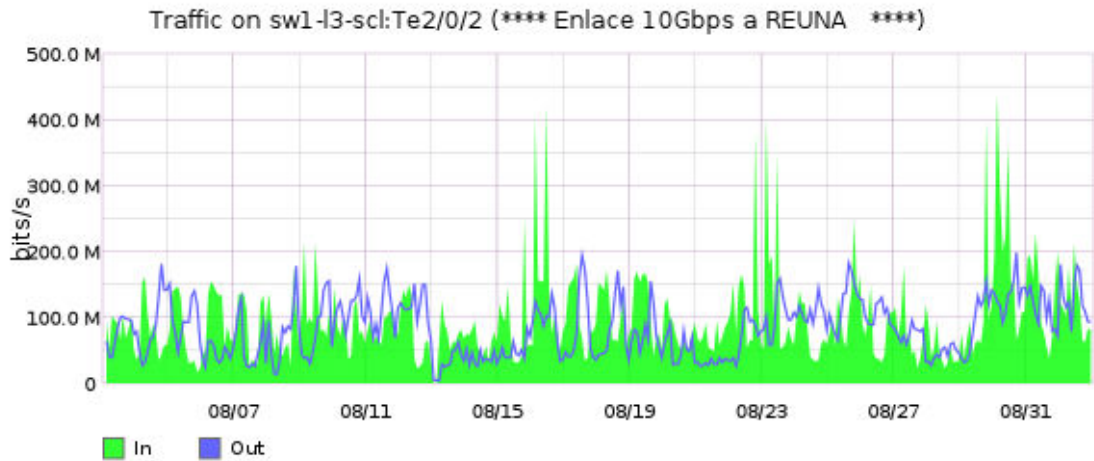
### RENATA



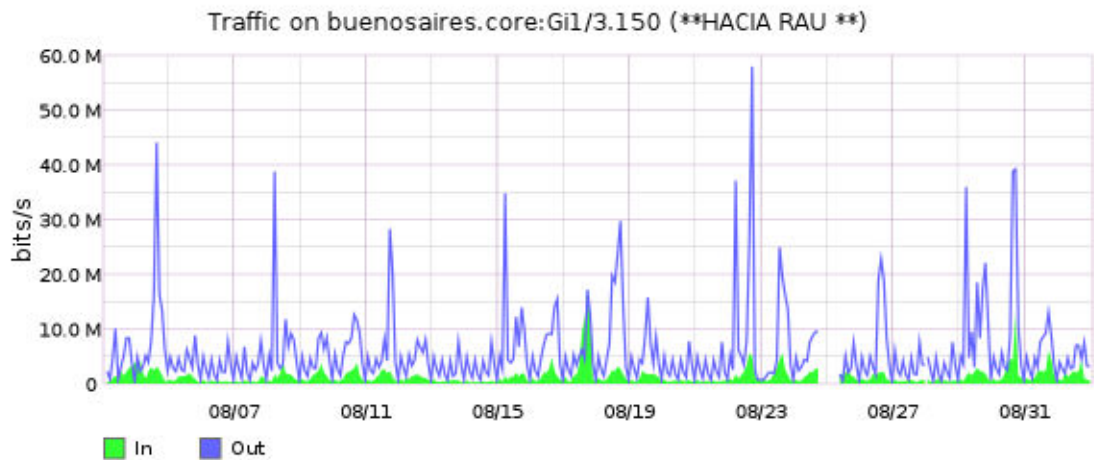
### REACCIUN



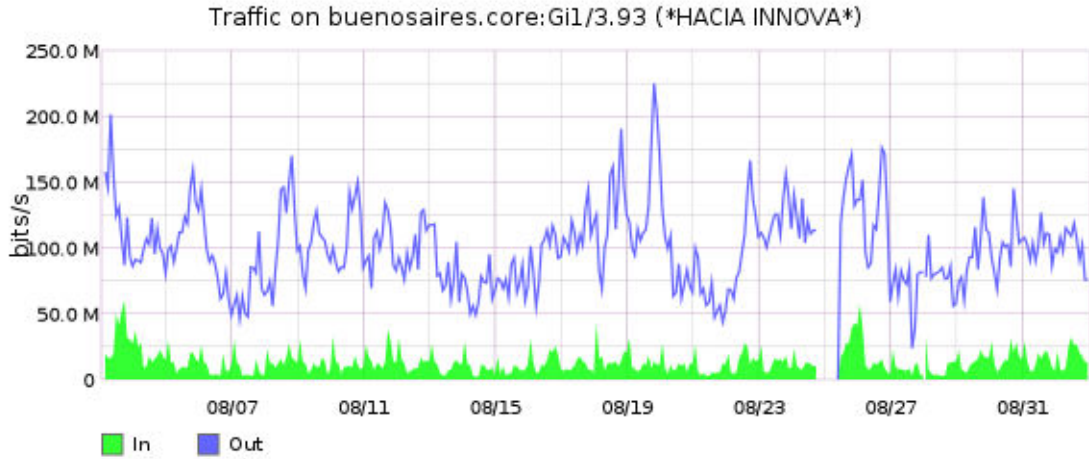
### REUNA



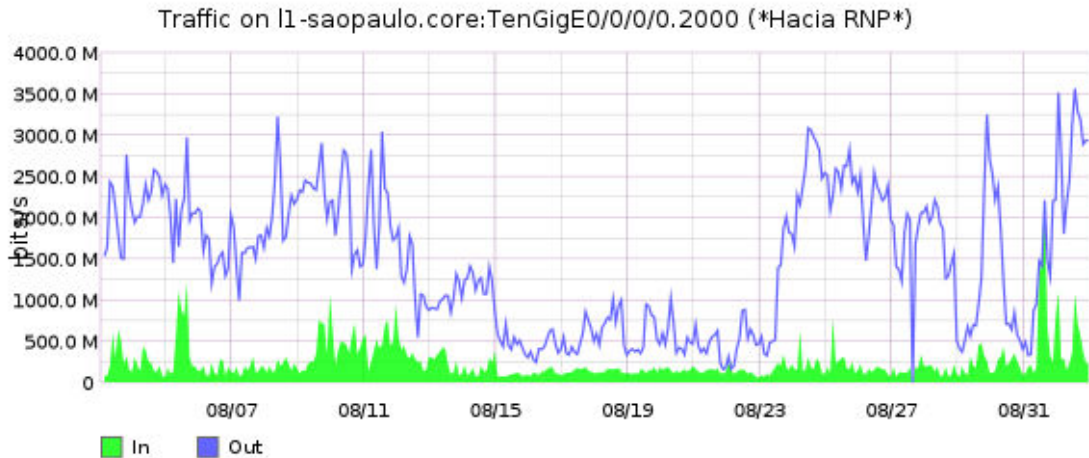
### RAU



## INNOVARED



## RNP



## 4 Eventos durante el mes

### 4.1 Nuevos enlaces o instalaciones

| Enlace | Fecha | Proveedor | Comentario |
|--------|-------|-----------|------------|
|        |       |           |            |
|        |       |           |            |



## 4.2 Caída de enlaces

| Enlace            | Fecha      | Duración hrs:<br>min | Comentario               |
|-------------------|------------|----------------------|--------------------------|
| BUE-SAO Principal | 04/08/2016 | 22:31                | -                        |
| GYE-PE Principal  | 04/08/2016 | 8:37                 | Corte de Fibra           |
| SCL-BOG Principal | 04/08/2016 | 3:51                 | -                        |
| SJO-PTY Principal | 04/08/2016 | 5:54                 | Corte de Fibra           |
| GYE-PE Principal  | 06/08/2016 | 16:19                | Corte de Fibra           |
| SJO-SV Principal  | 08/08/2016 | 3:56                 | Corte de Fibra           |
| GYE-PE Principal  | 09/08/2016 | 20:24                | -                        |
| SAO-MIA Principal | 09/08/2016 | 26:05                | -                        |
| SCL-US Principal  | 11/08/2016 | 18:29                | -                        |
| SCL-SAO Principal | 11/08/2016 | 4:53                 | -                        |
| SJO-SV Principal  | 11/08/2016 | 2:43                 | Corte de Fibra           |
| GT-MX Principal   | 13/08/2016 | 2:55                 | -                        |
| SAO-PTA Principal | 16/08/2016 | 66:17                | -                        |
| SJO-SV Principal  | 16/08/2016 | 3:19                 | Corte de Fibra           |
| SCL-BOG Principal | 16/08/2016 | 7:01                 | -                        |
| SJO-PTY Principal | 17/08/2016 | 5:31                 | Mantenimiento programado |
| SJO-PTY Principal | 18/08/2016 | 2:52                 | Mantenimiento programado |
| PTY-SAO Principal | 21/08/2016 | 45:59                | -                        |
| GYE-PE Principal  | 21/08/2016 | 21:16                | Corte de Fibra           |
| SJO-PTY Principal | 21/08/2016 | 1:32                 | Corte de Fibra           |
| SJO-SV Principal  | 23/08/2016 | 4:50                 | Corte de Fibra           |
| SJO-PTY Principal | 23/08/2016 | 2:14                 | Mantenimiento programado |
| BUE-SAO Principal | 25/08/2016 | 9:19                 | Falla en equipo          |
| SCL-ARPrincipal   | 27/08/2016 | 41:23                | Mantenimiento            |
| BUE-SCL General   | 27/08/2016 | 2:16                 | Intermitencia            |
| BUE-UY 300 Mbps   | 27/08/2016 | 3:28                 | Intermitencia            |
| BUE-UY Principal  | 27/08/2016 | 14:10                | Intermitencia            |
| SJO-SV Principal  | 27/08/2016 | 14:32                | Corte de Fibra           |
| PTY-SAO Principal | 27/08/2016 | 12:12                | Corte de Fibra           |
| SJO-SV Principal  | 27/08/2016 | 4:58                 | Corte de Fibra           |
| SJO-SV Principal  | 29/08/2016 | 6:01                 | Corte de Fibra           |
| GYE-PE Principal  | 29/08/2016 | 14:53                | -                        |
| GYE-PE Principal  | 30/08/2016 | 17:18                | -                        |
| SCL-LIM Principal | 31/08/2016 | 31:08                | -                        |

## 5 Calidad de Servicio de los Enlaces

### 5.1 Tabla calidad de servicio de los enlaces del mes de Agosto de 2016

| Nro | Enlace            | Identificación Circuito | Proveedor          | Fecha y Hora Inicio       | Fecha y Hora Término      | Total Tempo Interrupc. (HH:MM) | Categoria      | Redundancia activa? | NREN afectadas | Ticket No. Proveedor | Ticket No. (NOC) |
|-----|-------------------|-------------------------|--------------------|---------------------------|---------------------------|--------------------------------|----------------|---------------------|----------------|----------------------|------------------|
| 1   | BUE-SAO Principal | 1ARGBC890001            | Level 3            | 03-08-16 02:05 PM (GTM-6) | 04-08-16 12:36 PM (GTM-6) | 22 horas, 31 min               | -              | Si                  |                | -                    | 703759           |
| 2   | GYE-PE Principal  | 15864                   | Telefónica de Perú | 04-08-16 08:58 AM (GTM-6) | 04-08-16 05:35 PM (GTM-6) | 8 horas, 37 min                | Corte de Fibra | Si                  |                | -                    | 732694           |
| 3   | SCL-BOG Principal | FRO2005899223           | Level 3            | 04-08-16 01:44 PM (GTM-6) | 04-08-16 05:35 PM (GTM-6) | 3 horas, 51 min                | -              | Si                  |                | -                    | 528816           |
| 4   | SJO-PTY Principal | CRPA01200010            | Ufinet             | 04-08-16 05:23 PM (GTM-6) | 04-08-16 11:17 PM (GTM-6) | 5 horas, 54min                 | Corte de Fibra | Si                  |                | GDINL-14960          | 115958           |
| 5   | GYE-PE Principal  | 15864                   | Telefónica de Perú | 05-08-16 02:07 PM (GTM-6) | 06-08-16 06:26 AM (GTM-6) | 16 horas, 19min                | Corte de Fibra | Si                  |                | INC000002487400      | 242324           |
| 6   | SJO-SV Principal  | SVCR01180004            | Ufinet             | 08-08-16 08:31 AM (GTM-6) | 08-08-16 12:27 PM (GTM-6) | 3 horas, 56 min                | Corte de Fibra | Si                  |                | GDINL-15071          | 586018           |
| 7   | GYE-PE Principal  | 15864                   | Telefónica de Perú | 08-08-16 10:30 AM (GTM-6) | 09-08-16 06:54 AM (GTM-6) | 20 horas, 24 min               | -              | Si                  |                | -                    | 645872           |
| 8   | SAO-MIA Principal | -                       | AMPATH             | 08-08-16 01:24 PM (GTM-6) | 09-08-16 03:55 PM (GTM-6) | 26 horas, 5 min                | -              | Si                  |                | 2169                 | 378457           |
| 9   | SCL-US Principal  | FIU026UMI2SA1NN         | AMPATH             | 10-08-16 12:40 PM (GTM-6) | 11-08-16 07:09 AM (GTM-6) | 18 horas, 29 min               | -              | Si                  |                | -                    | 447768           |
| 10  | SCL-SAO Principal | FRO2005040560VXP        | Level 3            | 11-08-16 01:03 PM (GTM-6) | 11-08-16 05:56 PM (GTM-6) | 4 horas, 53 min                | -              | Si                  |                | 11286851             | 271981           |
| 11  | SJO-SV Principal  | SVCR01180004            | Ufinet             | 11-08-16 03:14 PM (GTM-6) | 11-08-16 05:57 PM (GTM-6) | 2 horas, 43min                 | Corte de Fibra | Si                  |                | 15306                | 814284           |

|    |                      |                  |                    |                                 |                                 |                  |                          |    |  |                 |        |
|----|----------------------|------------------|--------------------|---------------------------------|---------------------------------|------------------|--------------------------|----|--|-----------------|--------|
| 12 | GT-MX<br>Principal   | GTMX01170003     | Ufinet             | 13-08-16<br>02:47 PM<br>(GTM-6) | 13-08-16<br>05:42 PM<br>(GTM-6) | 2 horas, 55 min  | -                        | Si |  | GDINL-15458     | 918355 |
| 13 | SAO-PTA<br>Principal | 1ARGVC89.00001   | Level 3            | 14-08-16<br>06:17 AM<br>(GTM-6) | 16-08-16<br>12:34 PM<br>(GTM-6) | 66 horas, 17 min | -                        | Si |  | 11299311        | 391404 |
| 14 | SJO-SV<br>Principal  | SVCR01180004     | Ufinet             | 16-08-16<br>10:41 AM<br>(GTM-6) | 16-08-16<br>02:00 PM<br>(GTM-6) | 3 horas, 19 min  | Corte de Fibra           | Si |  | GDINL-15558     | 529894 |
| 15 | SCL-BOG<br>Principal | FRO2005899223    | Level 3            | 16-08-16<br>08:02 AM<br>(GTM-6) | 16-08-16<br>05:03 PM<br>(GTM-6) | 7 horas, 1 min   | -                        | Si |  | -               | 735886 |
| 16 | SJO-PTY<br>Principal | CRPA01200010     | Ufinet             | 17-08-16<br>02:05 AM<br>(GTM-6) | 17-08-16<br>07:36 AM<br>(GTM-6) | 5 horas, 31 min  | Mantenimiento programado | Si |  | 11154501        | 448406 |
| 17 | SJO-PTY<br>Principal | CRPA01200010     | Ufinet             | 18-08-16<br>01:28 AM<br>(GTM-6) | 18-08-16<br>04:20 AM<br>(GTM-6) | 2 horas, 52 min  | Mantenimiento programado | Si |  | -               | 210061 |
| 18 | PTY-SAO<br>Principal | FRO2005040537VXP | Level 3            | 19-08-16<br>03:41 PM<br>(GTM-6) | 21-08-16<br>01:41 PM<br>(GTM-6) | 45 horas, 59 min | -                        | Si |  | 11331273        | 374399 |
| 19 | GYE-PE<br>Principal  | 15864            | Telefónica de Perú | 20-08-16<br>05:10 PM<br>(GTM-6) | 21-08-16<br>02:26 PM<br>(GTM-6) | 21 horas, 16 min | Corte de Fibra           | Si |  | INC000002510192 | 450331 |
| 20 | SJO-PTY<br>Principal | CRPA01200010     | Ufinet             | 21-08-16<br>02:30 PM<br>(GTM-6) | 21-08-16<br>04:02 PM<br>(GTM-6) | 1 horas, 32 min  | Corte de Fibra           | Si |  | GDINL-15867     | 979159 |
| 21 | SJO-SV<br>Principal  | SVCR01180004     | Ufinet             | 22-08-16<br>07:42 PM<br>(GTM-6) | 23-08-16<br>12:32 AM<br>(GTM-6) | 4 horas, 50 min  | Corte de Fibra           | Si |  | GDINL-15952     | 846991 |
| 22 | SJO-PTY<br>Principal | CRPA01200010     | Ufinet             | 23-08-16<br>02:28 AM<br>(GTM-6) | 23-08-16<br>04:42 AM<br>(GTM-6) | 2 horas, 14 min  | Mantenimiento programado | Si |  | -               | 274950 |
| 23 | BUE-SAO<br>Principal | 1ARGBC890001     | Level 3            | 24-08-16<br>12:16 PM<br>(GTM-6) | 25-08-16<br>06:52 PM<br>(GTM-6) | 9 horas, 19 min  | Falla de equipos         | Si |  | 11353249        | 930767 |
| 24 | SCL-AR<br>Principal  | RCA001<br>RCA003 | Silica             | 25-08-16<br>06:00 PM<br>(GTM-6) | 27-08-16<br>11:23 AM<br>(GTM-6) | 41 horas, 23 min | Mantenimiento            | Si |  | CAS-67017-T9Y9  | 982547 |

|    |                      |                  |                       |                                 |                                 |                         |                |    |  |             |        |
|----|----------------------|------------------|-----------------------|---------------------------------|---------------------------------|-------------------------|----------------|----|--|-------------|--------|
| 25 | BUE-SCLGeneral       | RCA003           | Silica                | 27-08-16<br>02:30 PM<br>(GTM-6) | 27-08-16<br>04:46 PM<br>(GTM-6) | <b>2 horas, 16 min</b>  | Intermitencia  | Si |  | -           | 790528 |
| 26 | BUE-UY<br>300 Mbps   | P48665           | Antel                 | 27-08-16<br>02:20 PM<br>(GTM-6) | 27-08-16<br>05:48 PM<br>(GTM-6) | <b>3 horas, 28 min</b>  | Intermitencia  | Si |  | 3725058     | 920306 |
| 27 | BUE-UY<br>Principal  | E14868           | Antel                 | 27-08-16<br>02:20 PM<br>(GTM-6) | 27-08-16<br>05:48 PM<br>(GTM-6) | <b>14 horas, 10 min</b> | Intermitencia  | Si |  | 3725058     | 336786 |
| 28 | SJO-SV<br>Principal  | SVCR01180004     | Ufinet                | 27-08-16<br>01:44 AM<br>(GTM-6) | 27-08-16<br>06:17 PM<br>(GTM-6) | <b>14 horas, 32 min</b> | Corte de Fibra | Si |  | GDINL-16235 | 604010 |
| 29 | PTY-SAO<br>Principal | FRO2005040537VXP | Level 3               | 27-08-16<br>06:19 AM<br>(GTM-6) | 27-08-16<br>06:31 PM<br>(GTM-6) | <b>12 horas, 12 min</b> | Corte de Fibra | Si |  | 11372954    | 448812 |
| 30 | SJO-SV<br>Principal  | SVCR01180004     | Ufinet                | 27-08-16<br>06:24 PM<br>(GTM-6) | 27-08-16<br>11:22 PM<br>(GTM-6) | <b>4 horas, 58 min</b>  | Corte de Fibra | Si |  | GDINL-16278 | 628999 |
| 31 | SJO-SV<br>Principal  | SVCR01180004     | Ufinet                | 29-08-16<br>01:01 PM<br>(GTM-6) | 29-08-16<br>07:02 PM<br>(GTM-6) | <b>6 horas, 1 min</b>   | Corte de Fibra | Si |  | GDINL-16363 | 412998 |
| 32 | GYE-PE<br>Principal  | 15864            | Telefónica de<br>Perú | 29-08-16<br>06:26 AM<br>(GTM-6) | 29-08-16<br>09:19 PM<br>(GTM-6) | <b>14 horas, 53 min</b> | -              | Si |  | -           | 879368 |
| 33 | GYE-PE<br>Principal  | 15864            | Telefónica de<br>Perú | 30-08-16<br>12:47 AM<br>(GTM-6) | 31-08-16<br>06:05 PM<br>(GTM-6) | <b>17 horas, 18 min</b> | -              | Si |  | -           | 358716 |
| 34 | SCL-LIM<br>Principal | CR59968          | Telefónica de<br>Perú | 30-08-16<br>12:44 AM<br>(GTM-6) | 31-08-16<br>07:52 PM<br>(GTM-6) | <b>31 horas, 8 min</b>  | -              | Si |  | -           | 424499 |