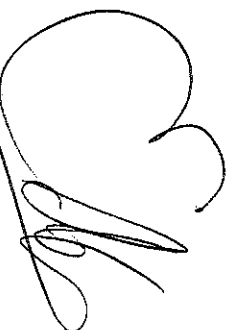


División de Acuicultura

Informe UACPA N° 49
Fecha: 08-09-2016
Análisis de presencia de Banco Natural

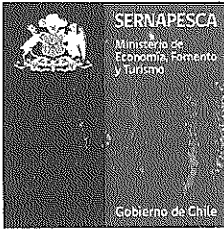
| Pert | profundidad de análisis | especie indicada en informe | Especie o grupo a evaluar | m ² um (1) | m ² um (2) | m ² um (3) | m ² Promedio | frecuencia de ocurrencia UM Con Rec/UM totales | % area muestreable | IPBAN | IPBANMax | Evaluación |
|-----------|-------------------------|-----------------------------|---------------------------|-----------------------|-----------------------|-----------------------|-------------------------|--|--------------------|-------|----------|-------------|
| 213122195 | hasta 30 metros | | | | | | | | | | | No se Buceó |

Observaciones: Considerando que el área posee una profundidad mayor a 30 metros, no se realizó buceo.



EDUARDO ANDERSON GERMAIN

Jefe Unidad Análisis y Gestión de Procesos de Acuicultura



49

**Formulario de resultados de la evaluación directa de recursos
hidrobiológico bentónicos**

Presencia de Recursos Profundidad Accidente Geográfico Tipo de Fondo

| | |
|----------------------------------|--|
| Solicitud N° 213122195 | Solicitante Kelp Chile Centro S.A. |
|----------------------------------|--|

| | | |
|----------------------|--------------------------|---|
| Región XII | Comuna Natales | Area o Localidad Peninsula Antonio Varas, Al Norte De Isla Ballesteros, Sector 003. |
|----------------------|--------------------------|---|

| | | | | |
|---------------------------|-----------------------------|--|------------------------------|-------------------|
| Fecha 15-nov-15 | Hora Inicio 15:52 | Embarcación Explorador Patagonia | Hora Término 16:18 | CB 2279 |
|---------------------------|-----------------------------|--|------------------------------|-------------------|

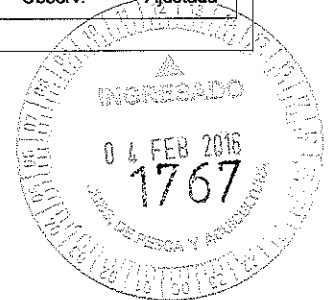
Carta Shoa 10600 (Datum SAD69) Area 25,00 Hás

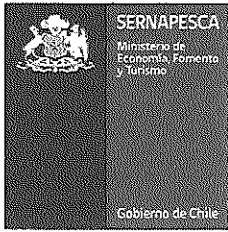
| Coordenadas Geográficas Carta Shoa 10600 : | Vértice | Latitud | Longitud |
|--|---------|------------------|------------------|
| | A | 51° 46' 29,74" S | 72° 56' 06,86" O |
| | B | 51° 46' 36,50" S | 72° 55' 43,16" O |
| | C | 51° 46' 51,20" S | 72° 55' 54,05" O |
| | D | 51° 46' 44,44" S | 72° 56' 17,75" O |

Observaciones (Anotar situaciones u observaciones que expliquen o refuercen la inspección realizada)

Superficie muestreable aprox. : -0- %

| | | | | | |
|-------------------------------------|------------------------------------|------------------------------------|------------------------------|------------------------------------|------------------------------|
| Hora de la Medición 15:52 | Ajuste de Marea (mt) 0,0 | Prof. Máxima 172 Observ. | Prof. Ajustada 172 | Prof. Mínima 133 Observ. | Prof. Ajustada 133 |
|-------------------------------------|------------------------------------|------------------------------------|------------------------------|------------------------------------|------------------------------|





Posición geográfica de los extremos de las unidades de Muestreo (boyerines)

| | Latitud | Longitud | Latitud | Longitud |
|---------------|---------|----------|---------|----------|
| Transecta N°1 | _____ | _____ | _____ | _____ |
| Transecta N°2 | _____ | _____ | _____ | _____ |
| Transecta N°3 | _____ | _____ | _____ | _____ |
| Transecta N°4 | _____ | _____ | _____ | _____ |
| Transecta N°5 | _____ | _____ | _____ | _____ |
| Transecta N°6 | _____ | _____ | _____ | _____ |

Nombre Inspector Christian Sánchez Medina

Firma Inspector

Christian Sánchez Medina

Nombre Capitán/Buzo

Firma Capitán/Buzo

Héctor Díaz

Héctor Díaz

SOFTWARE NAME & VERSION

| HUSO | Eastng | Northng | Profundidades (m) | seconds | PERT | Distancia Pto. Inicio (m) |
|------|--------|---------|----------------------|---------|-----------|---------------------------------|
| 18F | 642887 | 4261735 | 168 | 1 | 213122195 | |
| 18F | 642865 | 4261746 | 169 | 0 | 0 | 25 |
| 18F | 642854 | 4261750 | 168 | 0 | 0 | 37 |
| 18F | 642849 | 4261752 | 169 | 0 | 0 | 41 |
| 18F | 642845 | 4261754 | 168 | 0 | 0 | 46 |
| 18F | 642843 | 4261755 | 169 | 0 | 0 | 48 |
| 18F | 642837 | 4261758 | 168 | 0 | 0 | 55 |
| 18F | 642822 | 4261766 | 168 | 0 | 0 | 72 |
| 18F | 642817 | 4261769 | 167 | 0 | 0 | 77 |
| 18F | 642813 | 4261771 | 167 | 0 | 0 | 82 |
| 18F | 642802 | 4261777 | 166 | 0 | 0 | 94 |
| 18F | 642800 | 4261778 | 167 | 0 | 0 | 97 |
| 18F | 642798 | 4261778 | 166 | 0 | 0 | 99 |
| 18F | 642796 | 4261779 | 166 | 0 | 0 | 102 |
| 18F | 642793 | 4261780 | 165 | 0 | 0 | 104 |
| 18F | 642789 | 4261783 | 165 | 0 | 0 | 109 |
| 18F | 642785 | 4261785 | 164 | 0 | 0 | 114 |
| 18F | 642774 | 4261790 | 164 | 0 | 0 | 126 |
| 18F | 642772 | 4261791 | 162 | 0 | 0 | 128 |
| 18F | 642765 | 4261794 | 163 | 0 | 0 | 136 |
| 18F | 642763 | 4261796 | 165 | 0 | 0 | 138 |
| 18F | 642760 | 4261797 | 163 | 0 | 0 | 141 |
| 18F | 642758 | 4261798 | 156 | 0 | 0 | 144 |
| 18F | 642749 | 4261802 | 149 | 0 | 0 | 154 |
| 18F | 642746 | 4261803 | 149 | 0 | 0 | 156 |
| 18F | 642744 | 4261804 | 149 | 0 | 0 | 159 |
| 18F | 642739 | 4261806 | 147 | 0 | 0 | 164 |
| 18F | 642737 | 4261807 | 148 | 0 | 0 | 166 |
| 18F | 642732 | 4261809 | 146 | 0 | 0 | 171 |
| 18F | 642726 | 4261813 | 145 | 0 | 0 | 179 |
| 18F | 642723 | 4261814 | 146 | 0 | 0 | 182 |
| 18F | 642716 | 4261817 | 144 | 0 | 0 | 189 |
| 18F | 642712 | 4261819 | 144 | 0 | 0 | 194 |
| 18F | 642694 | 4261828 | 143 | 0 | 0 | 214 |
| 18F | 642664 | 4261843 | 142 | 0 | 0 | 247 |
| 18F | 642651 | 4261849 | 141 | 0 | 0 | 262 |
| 18F | 642644 | 4261852 | 140 | 0 | 0 | 269 |
| 18F | 642629 | 4261859 | 138 | 0 | 0 | 285 |
| 18F | 642623 | 4261862 | 137 | 0 | 0 | 293 |
| 18F | 642621 | 4261864 | 137 | 0 | 0 | 295 |
| 18F | 642603 | 4261874 | 134 | 0 | 0 | 316 |
| 18F | 642585 | 4261883 | 133 | 0 | 0 | 336 |

| | | | | | | |
|-----|--------|---------|-----|---|---|-----|
| 18F | 642545 | 4261857 | 147 | 0 | 0 | 618 |
| 18F | 642548 | 4261856 | 147 | 0 | 0 | 621 |
| 18F | 642550 | 4261855 | 146 | 0 | 0 | 624 |
| 18F | 642553 | 4261853 | 146 | 0 | 0 | 627 |
| 18F | 642555 | 4261852 | 141 | 0 | 0 | 630 |
| 18F | 642558 | 4261850 | 142 | 0 | 0 | 633 |
| 18F | 642566 | 4261846 | 141 | 0 | 0 | 642 |
| 18F | 642568 | 4261845 | 140 | 0 | 0 | 645 |
| 18F | 642579 | 4261839 | 140 | 0 | 0 | 656 |
| 18F | 642587 | 4261835 | 142 | 0 | 0 | 665 |
| 18F | 642598 | 4261830 | 141 | 0 | 0 | 677 |
| 18F | 642611 | 4261823 | 144 | 0 | 0 | 692 |
| 18F | 642614 | 4261822 | 143 | 0 | 0 | 695 |
| 18F | 642616 | 4261820 | 145 | 0 | 0 | 698 |
| 18F | 642619 | 4261819 | 152 | 0 | 0 | 701 |
| 18F | 642622 | 4261818 | 151 | 0 | 0 | 704 |
| 18F | 642624 | 4261816 | 151 | 0 | 0 | 708 |
| 18F | 642627 | 4261815 | 153 | 0 | 0 | 711 |
| 18F | 642630 | 4261813 | 150 | 0 | 0 | 714 |
| 18F | 642638 | 4261809 | 151 | 0 | 0 | 723 |
| 18F | 642641 | 4261808 | 148 | 0 | 0 | 726 |
| 18F | 642644 | 4261807 | 150 | 0 | 0 | 729 |
| 18F | 642646 | 4261805 | 149 | 0 | 0 | 732 |
| 18F | 642655 | 4261801 | 148 | 0 | 0 | 741 |
| 18F | 642663 | 4261797 | 148 | 0 | 0 | 750 |
| 18F | 642666 | 4261796 | 147 | 0 | 0 | 753 |
| 18F | 642674 | 4261792 | 149 | 0 | 0 | 762 |
| 18F | 642679 | 4261789 | 148 | 0 | 0 | 768 |
| 18F | 642698 | 4261780 | 149 | 0 | 0 | 789 |
| 18F | 642708 | 4261774 | 149 | 0 | 0 | 801 |
| 18F | 642719 | 4261769 | 150 | 0 | 0 | 813 |
| 18F | 642722 | 4261768 | 151 | 0 | 0 | 816 |
| 18F | 642725 | 4261766 | 150 | 0 | 0 | 819 |
| 18F | 642730 | 4261764 | 153 | 0 | 0 | 825 |
| 18F | 642733 | 4261762 | 151 | 0 | 0 | 828 |
| 18F | 642735 | 4261761 | 156 | 0 | 0 | 831 |
| 18F | 642741 | 4261758 | 153 | 0 | 0 | 837 |
| 18F | 642743 | 4261757 | 162 | 0 | 0 | 840 |
| 18F | 642765 | 4261746 | 162 | 0 | 0 | 864 |
| 18F | 642773 | 4261742 | 165 | 0 | 0 | 873 |
| 18F | 642775 | 4261740 | 164 | 0 | 0 | 876 |
| 18F | 642778 | 4261739 | 166 | 0 | 0 | 879 |
| 18F | 642781 | 4261737 | 165 | 0 | 0 | 882 |
| 18F | 642791 | 4261732 | 165 | 0 | 0 | 894 |
| 18F | 642808 | 4261724 | 168 | 0 | 0 | 912 |
| 18F | 642813 | 4261721 | 167 | 0 | 0 | 918 |
| 18F | 642842 | 4261706 | 167 | 0 | 0 | 951 |

| | | | | | | |
|-----|--------|---------|-----|---|---|-----|
| 18F | 642574 | 4261889 | 133 | 0 | 0 | 348 |
| 18F | 642572 | 4261890 | 134 | 0 | 0 | 350 |
| 18F | 642570 | 4261891 | 133 | 0 | 0 | 353 |
| 18F | 642561 | 4261896 | 133 | 0 | 0 | 363 |
| 18F | 642555 | 4261899 | 139 | 0 | 0 | 370 |
| 18F | 642548 | 4261902 | 138 | 0 | 0 | 378 |
| 18F | 642543 | 4261904 | 141 | 0 | 0 | 383 |
| 18F | 642534 | 4261908 | 141 | 0 | 0 | 392 |
| 18F | 642532 | 4261908 | 143 | 0 | 0 | 395 |
| 18F | 642530 | 4261909 | 142 | 0 | 0 | 397 |
| 18F | 642523 | 4261913 | 143 | 0 | 0 | 405 |
| 18F | 642518 | 4261915 | 142 | 0 | 0 | 409 |
| 18F | 642514 | 4261917 | 148 | 0 | 0 | 414 |
| 18F | 642512 | 4261918 | 146 | 0 | 0 | 416 |
| 18F | 642510 | 4261919 | 146 | 0 | 0 | 419 |
| 18F | 642506 | 4261921 | 150 | 0 | 0 | 424 |
| 18F | 642501 | 4261923 | 149 | 0 | 0 | 429 |
| 18F | 642499 | 4261924 | 151 | 0 | 0 | 431 |
| 18F | 642496 | 4261925 | 149 | 0 | 0 | 434 |
| 18F | 642494 | 4261926 | 151 | 0 | 0 | 436 |
| 18F | 642492 | 4261927 | 150 | 0 | 0 | 439 |
| 18F | 642487 | 4261928 | 152 | 0 | 0 | 444 |
| 18F | 642476 | 4261933 | 153 | 0 | 0 | 455 |
| 18F | 642472 | 4261934 | 155 | 0 | 0 | 460 |
| 18F | 642456 | 4261935 | 155 | 0 | 0 | 476 |
| 18F | 642447 | 4261929 | 155 | 0 | 0 | 486 |
| 18F | 642445 | 4261921 | 156 | 0 | 0 | 494 |
| 18F | 642447 | 4261910 | 156 | 0 | 0 | 506 |
| 18F | 642451 | 4261903 | 157 | 0 | 0 | 514 |
| 18F | 642463 | 4261894 | 157 | 0 | 0 | 528 |
| 18F | 642475 | 4261889 | 158 | 0 | 0 | 542 |
| 18F | 642477 | 4261888 | 158 | 0 | 0 | 544 |
| 18F | 642482 | 4261886 | 158 | 0 | 0 | 549 |
| 18F | 642487 | 4261885 | 159 | 0 | 0 | 554 |
| 18F | 642489 | 4261883 | 160 | 0 | 0 | 556 |
| 18F | 642491 | 4261882 | 159 | 0 | 0 | 559 |
| 18F | 642499 | 4261879 | 159 | 0 | 0 | 567 |
| 18F | 642501 | 4261878 | 158 | 0 | 0 | 570 |
| 18F | 642514 | 4261872 | 160 | 0 | 0 | 584 |
| 18F | 642519 | 4261870 | 159 | 0 | 0 | 589 |
| 18F | 642522 | 4261869 | 157 | 0 | 0 | 592 |
| 18F | 642524 | 4261868 | 158 | 0 | 0 | 595 |
| 18F | 642527 | 4261867 | 151 | 0 | 0 | 598 |
| 18F | 642532 | 4261864 | 153 | 0 | 0 | 604 |
| 18F | 642535 | 4261863 | 151 | 0 | 0 | 606 |
| 18F | 642540 | 4261860 | 153 | 0 | 0 | 612 |
| 18F | 642542 | 4261859 | 151 | 0 | 0 | 615 |

| | | | | | | |
|-----|--------|---------|-----|---|---|------|
| 18F | 642844 | 4261704 | 168 | 0 | 0 | 954 |
| 18F | 642853 | 4261697 | 167 | 0 | 0 | 965 |
| 18F | 642854 | 4261694 | 168 | 0 | 0 | 968 |
| 18F | 642859 | 4261685 | 168 | 0 | 0 | 978 |
| 18F | 642860 | 4261677 | 168 | 0 | 0 | 986 |
| 18F | 642860 | 4261670 | 168 | 0 | 0 | 993 |
| 18F | 642856 | 4261660 | 169 | 0 | 0 | 1004 |
| 18F | 642845 | 4261650 | 169 | 0 | 0 | 1019 |
| 18F | 642838 | 4261646 | 170 | 0 | 0 | 1027 |
| 18F | 642836 | 4261646 | 169 | 0 | 0 | 1029 |
| 18F | 642834 | 4261645 | 169 | 0 | 0 | 1031 |
| 18F | 642831 | 4261644 | 169 | 0 | 0 | 1034 |
| 18F | 642821 | 4261645 | 170 | 0 | 0 | 1044 |
| 18F | 642813 | 4261647 | 170 | 0 | 0 | 1052 |
| 18F | 642811 | 4261648 | 169 | 0 | 0 | 1054 |
| 18F | 642809 | 4261649 | 171 | 0 | 0 | 1056 |
| 18F | 642805 | 4261650 | 170 | 0 | 0 | 1060 |
| 18F | 642788 | 4261658 | 170 | 0 | 0 | 1080 |
| 18F | 642748 | 4261680 | 168 | 0 | 0 | 1125 |
| 18F | 642742 | 4261683 | 167 | 0 | 0 | 1132 |
| 18F | 642740 | 4261684 | 165 | 0 | 0 | 1134 |
| 18F | 642738 | 4261685 | 167 | 0 | 0 | 1137 |
| 18F | 642731 | 4261687 | 165 | 0 | 0 | 1143 |
| 18F | 642729 | 4261688 | 162 | 0 | 0 | 1146 |
| 18F | 642727 | 4261689 | 165 | 0 | 0 | 1148 |
| 18F | 642725 | 4261690 | 162 | 0 | 0 | 1150 |
| 18F | 642720 | 4261692 | 163 | 0 | 0 | 1155 |
| 18F | 642716 | 4261694 | 161 | 0 | 0 | 1160 |
| 18F | 642710 | 4261697 | 161 | 0 | 0 | 1167 |
| 18F | 642705 | 4261700 | 158 | 0 | 0 | 1172 |
| 18F | 642703 | 4261701 | 159 | 0 | 0 | 1175 |
| 18F | 642701 | 4261702 | 158 | 0 | 0 | 1177 |
| 18F | 642699 | 4261703 | 158 | 0 | 0 | 1180 |
| 18F | 642696 | 4261704 | 157 | 0 | 0 | 1182 |
| 18F | 642694 | 4261705 | 158 | 0 | 0 | 1184 |
| 18F | 642692 | 4261707 | 157 | 0 | 0 | 1187 |
| 18F | 642690 | 4261708 | 159 | 0 | 0 | 1190 |
| 18F | 642687 | 4261709 | 156 | 0 | 0 | 1192 |
| 18F | 642683 | 4261711 | 157 | 0 | 0 | 1197 |
| 18F | 642681 | 4261713 | 156 | 0 | 0 | 1200 |
| 18F | 642674 | 4261716 | 155 | 0 | 0 | 1207 |
| 18F | 642670 | 4261719 | 159 | 0 | 0 | 1212 |
| 18F | 642667 | 4261720 | 157 | 0 | 0 | 1215 |
| 18F | 642665 | 4261721 | 161 | 0 | 0 | 1217 |
| 18F | 642663 | 4261722 | 160 | 0 | 0 | 1220 |
| 18F | 642658 | 4261724 | 162 | 0 | 0 | 1225 |
| 18F | 642656 | 4261725 | 160 | 0 | 0 | 1228 |

| | | | | | | |
|-----|--------|---------|-----|---|---|------|
| 18F | 642654 | 4261726 | 161 | 0 | 0 | 1230 |
| 18F | 642649 | 4261729 | 161 | 0 | 0 | 1235 |
| 18F | 642642 | 4261732 | 161 | 0 | 0 | 1243 |
| 18F | 642635 | 4261735 | 161 | 0 | 0 | 1250 |
| 18F | 642626 | 4261739 | 162 | 0 | 0 | 1261 |
| 18F | 642623 | 4261740 | 161 | 0 | 0 | 1263 |
| 18F | 642621 | 4261741 | 162 | 0 | 0 | 1266 |
| 18F | 642614 | 4261744 | 162 | 0 | 0 | 1273 |
| 18F | 642612 | 4261745 | 160 | 0 | 0 | 1276 |
| 18F | 642605 | 4261748 | 161 | 0 | 0 | 1283 |
| 18F | 642603 | 4261749 | 156 | 0 | 0 | 1286 |
| 18F | 642600 | 4261750 | 159 | 0 | 0 | 1288 |
| 18F | 642593 | 4261753 | 160 | 0 | 0 | 1296 |
| 18F | 642591 | 4261754 | 154 | 0 | 0 | 1299 |
| 18F | 642588 | 4261755 | 155 | 0 | 0 | 1301 |
| 18F | 642586 | 4261756 | 153 | 0 | 0 | 1304 |
| 18F | 642581 | 4261758 | 153 | 0 | 0 | 1309 |
| 18F | 642579 | 4261759 | 155 | 0 | 0 | 1311 |
| 18F | 642577 | 4261760 | 152 | 0 | 0 | 1314 |
| 18F | 642570 | 4261763 | 152 | 0 | 0 | 1321 |
| 18F | 642568 | 4261764 | 153 | 0 | 0 | 1324 |
| 18F | 642565 | 4261765 | 152 | 0 | 0 | 1326 |
| 18F | 642561 | 4261768 | 156 | 0 | 0 | 1331 |
| 18F | 642557 | 4261770 | 156 | 0 | 0 | 1336 |
| 18F | 642550 | 4261774 | 161 | 0 | 0 | 1344 |
| 18F | 642540 | 4261780 | 162 | 0 | 0 | 1356 |
| 18F | 642535 | 4261783 | 161 | 0 | 0 | 1361 |
| 18F | 642533 | 4261784 | 162 | 0 | 0 | 1364 |
| 18F | 642529 | 4261787 | 161 | 0 | 0 | 1369 |
| 18F | 642520 | 4261792 | 162 | 0 | 0 | 1379 |
| 18F | 642518 | 4261794 | 161 | 0 | 0 | 1382 |
| 18F | 642516 | 4261795 | 162 | 0 | 0 | 1384 |
| 18F | 642503 | 4261802 | 162 | 0 | 0 | 1399 |
| 18F | 642460 | 4261826 | 161 | 0 | 0 | 1448 |
| 18F | 642438 | 4261836 | 159 | 0 | 0 | 1472 |
| 18F | 642424 | 4261839 | 158 | 0 | 0 | 1486 |
| 18F | 642417 | 4261839 | 158 | 0 | 0 | 1493 |
| 18F | 642413 | 4261837 | 158 | 0 | 0 | 1497 |
| 18F | 642411 | 4261836 | 159 | 0 | 0 | 1499 |
| 18F | 642407 | 4261832 | 158 | 0 | 0 | 1506 |
| 18F | 642404 | 4261828 | 158 | 0 | 0 | 1510 |
| 18F | 642403 | 4261824 | 159 | 0 | 0 | 1514 |
| 18F | 642398 | 4261808 | 159 | 0 | 0 | 1532 |
| 18F | 642399 | 4261791 | 160 | 0 | 0 | 1548 |
| 18F | 642401 | 4261784 | 161 | 0 | 0 | 1556 |
| 18F | 642403 | 4261779 | 161 | 0 | 0 | 1561 |
| 18F | 642406 | 4261775 | 161 | 0 | 0 | 1565 |

| | | | | | | |
|-----|--------|---------|-----|---|---|------|
| 18F | 642415 | 4261768 | 161 | 0 | 0 | 1577 |
| 18F | 642430 | 4261760 | 161 | 0 | 0 | 1594 |
| 18F | 642439 | 4261755 | 162 | 0 | 0 | 1605 |
| 18F | 642447 | 4261751 | 162 | 0 | 0 | 1613 |
| 18F | 642451 | 4261749 | 162 | 0 | 0 | 1618 |
| 18F | 642469 | 4261741 | 162 | 0 | 0 | 1638 |
| 18F | 642477 | 4261738 | 162 | 0 | 0 | 1646 |
| 18F | 642483 | 4261735 | 162 | 0 | 0 | 1652 |
| 18F | 642488 | 4261733 | 162 | 0 | 0 | 1658 |
| 18F | 642496 | 4261729 | 163 | 0 | 0 | 1666 |
| 18F | 642504 | 4261725 | 162 | 0 | 0 | 1675 |
| 18F | 642517 | 4261719 | 163 | 0 | 0 | 1690 |
| 18F | 642527 | 4261713 | 164 | 0 | 0 | 1702 |
| 18F | 642530 | 4261712 | 164 | 0 | 0 | 1705 |
| 18F | 642538 | 4261708 | 165 | 0 | 0 | 1713 |
| 18F | 642559 | 4261697 | 165 | 0 | 0 | 1737 |
| 18F | 642572 | 4261691 | 165 | 0 | 0 | 1752 |
| 18F | 642575 | 4261690 | 165 | 0 | 0 | 1755 |
| 18F | 642596 | 4261680 | 166 | 0 | 0 | 1778 |
| 18F | 642604 | 4261676 | 166 | 0 | 0 | 1787 |
| 18F | 642607 | 4261674 | 167 | 0 | 0 | 1790 |
| 18F | 642610 | 4261673 | 166 | 0 | 0 | 1793 |
| 18F | 642612 | 4261672 | 166 | 0 | 0 | 1796 |
| 18F | 642631 | 4261662 | 166 | 0 | 0 | 1817 |
| 18F | 642633 | 4261661 | 167 | 0 | 0 | 1820 |
| 18F | 642636 | 4261659 | 166 | 0 | 0 | 1823 |
| 18F | 642644 | 4261655 | 167 | 0 | 0 | 1831 |
| 18F | 642649 | 4261653 | 167 | 0 | 0 | 1837 |
| 18F | 642652 | 4261652 | 167 | 0 | 0 | 1840 |
| 18F | 642665 | 4261646 | 167 | 0 | 0 | 1855 |
| 18F | 642676 | 4261642 | 168 | 0 | 0 | 1867 |
| 18F | 642682 | 4261640 | 168 | 0 | 0 | 1872 |
| 18F | 642701 | 4261632 | 168 | 0 | 0 | 1893 |
| 18F | 642709 | 4261628 | 168 | 0 | 0 | 1902 |
| 18F | 642712 | 4261627 | 169 | 0 | 0 | 1905 |
| 18F | 642714 | 4261626 | 170 | 0 | 0 | 1908 |
| 18F | 642717 | 4261624 | 168 | 0 | 0 | 1911 |
| 18F | 642720 | 4261623 | 168 | 0 | 0 | 1914 |
| 18F | 642722 | 4261622 | 169 | 0 | 0 | 1917 |
| 18F | 642738 | 4261614 | 169 | 0 | 0 | 1935 |
| 18F | 642741 | 4261613 | 170 | 0 | 0 | 1938 |
| 18F | 642749 | 4261609 | 169 | 0 | 0 | 1946 |
| 18F | 642755 | 4261607 | 170 | 0 | 0 | 1952 |
| 18F | 642763 | 4261603 | 169 | 0 | 0 | 1961 |
| 18F | 642768 | 4261600 | 170 | 0 | 0 | 1967 |
| 18F | 642778 | 4261594 | 171 | 0 | 0 | 1979 |
| 18F | 642789 | 4261585 | 171 | 0 | 0 | 1993 |

| | | | | | | |
|-----|--------|---------|-----|---|---|------|
| 18F | 642793 | 4261578 | 171 | 0 | 0 | 2001 |
| 18F | 642796 | 4261571 | 171 | 0 | 0 | 2008 |
| 18F | 642796 | 4261566 | 171 | 0 | 0 | 2013 |
| 18F | 642796 | 4261559 | 171 | 0 | 0 | 2020 |
| 18F | 642796 | 4261557 | 171 | 0 | 0 | 2023 |
| 18F | 642794 | 4261550 | 171 | 0 | 0 | 2030 |
| 18F | 642792 | 4261543 | 172 | 0 | 0 | 2037 |
| 18F | 642790 | 4261539 | 171 | 0 | 0 | 2042 |
| 18F | 642781 | 4261528 | 172 | 0 | 0 | 2055 |
| 18F | 642779 | 4261525 | 171 | 0 | 0 | 2060 |
| 18F | 642767 | 4261518 | 171 | 0 | 0 | 2073 |
| 18F | 642761 | 4261516 | 172 | 0 | 0 | 2079 |
| 18F | 642759 | 4261516 | 172 | 0 | 0 | 2081 |
| 18F | 642753 | 4261516 | 171 | 0 | 0 | 2088 |
| 18F | 642743 | 4261519 | 171 | 0 | 0 | 2098 |
| 18F | 642733 | 4261524 | 171 | 0 | 0 | 2109 |
| 18F | 642723 | 4261530 | 170 | 0 | 0 | 2120 |
| 18F | 642700 | 4261545 | 170 | 0 | 0 | 2149 |
| 18F | 642684 | 4261553 | 170 | 0 | 0 | 2166 |
| 18F | 642675 | 4261557 | 169 | 0 | 0 | 2175 |
| 18F | 642671 | 4261559 | 170 | 0 | 0 | 2180 |
| 18F | 642620 | 4261586 | 168 | 0 | 0 | 2238 |
| 18F | 642599 | 4261595 | 168 | 0 | 0 | 2260 |
| 18F | 642587 | 4261600 | 167 | 0 | 0 | 2273 |
| 18F | 642583 | 4261602 | 168 | 0 | 0 | 2278 |
| 18F | 642546 | 4261617 | 166 | 0 | 0 | 2318 |
| 18F | 642544 | 4261618 | 167 | 0 | 0 | 2320 |
| 18F | 642537 | 4261621 | 165 | 0 | 0 | 2328 |
| 18F | 642516 | 4261631 | 165 | 0 | 0 | 2350 |
| 18F | 642503 | 4261638 | 164 | 0 | 0 | 2365 |
| 18F | 642471 | 4261652 | 163 | 0 | 0 | 2401 |
| 18F | 642454 | 4261658 | 163 | 0 | 0 | 2418 |
| 18F | 642445 | 4261661 | 163 | 0 | 0 | 2428 |
| 18F | 642433 | 4261665 | 163 | 0 | 0 | 2440 |
| 18F | 642426 | 4261667 | 163 | 0 | 0 | 2448 |
| 18F | 642424 | 4261668 | 163 | 0 | 0 | 2450 |
| 18F | 642419 | 4261669 | 163 | 0 | 0 | 2455 |
| 18F | 642401 | 4261678 | 163 | 0 | 0 | 2475 |
| 18F | 642378 | 4261686 | 162 | 0 | 0 | 2499 |
| 18F | 642371 | 4261688 | 164 | 0 | 0 | 2507 |
| 18F | 642369 | 4261689 | 163 | 0 | 0 | 2509 |
| 18F | 642362 | 4261691 | 164 | 0 | 0 | 2516 |
| 18F | 642359 | 4261692 | 162 | 0 | 0 | 2519 |
| 18F | 642343 | 4261694 | 160 | 0 | 0 | 2535 |
| 18F | 642336 | 4261692 | 160 | 0 | 0 | 2542 |
| 18F | 642330 | 4261686 | 159 | 0 | 0 | 2551 |
| 18F | 642329 | 4261684 | 159 | 0 | 0 | 2553 |

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|-----|--------|---------|-----|---|---|------|
| 18F | 642328 | 4261682 | 158 | 0 | 0 | 2555 |
| 18F | 642325 | 4261677 | 158 | 0 | 0 | 2561 |
| 18F | 642324 | 4261671 | 158 | 0 | 0 | 2567 |
| 18F | 642328 | 4261651 | 159 | 0 | 0 | 2587 |
| 18F | 642332 | 4261645 | 159 | 0 | 0 | 2594 |
| 18F | 642333 | 4261644 | 160 | 0 | 0 | 2597 |
| 18F | 642335 | 4261642 | 160 | 0 | 0 | 2599 |
| 18F | 642337 | 4261640 | 160 | 0 | 0 | 2601 |
| 18F | 642340 | 4261637 | 160 | 0 | 0 | 2606 |
| 18F | 642347 | 4261634 | 161 | 0 | 0 | 2613 |
| 18F | 642353 | 4261631 | 161 | 0 | 0 | 2620 |
| 18F | 642360 | 4261628 | 163 | 0 | 0 | 2628 |
| 18F | 642391 | 4261614 | 163 | 0 | 0 | 2662 |
| 18F | 642394 | 4261613 | 164 | 0 | 0 | 2665 |
| 18F | 642396 | 4261612 | 163 | 0 | 0 | 2667 |
| 18F | 642399 | 4261611 | 164 | 0 | 0 | 2670 |
| 18F | 642414 | 4261604 | 165 | 0 | 0 | 2687 |
| 18F | 642417 | 4261603 | 165 | 0 | 0 | 2690 |
| 18F | 642437 | 4261592 | 165 | 0 | 0 | 2713 |
| 18F | 642440 | 4261590 | 165 | 0 | 0 | 2716 |
| 18F | 642468 | 4261576 | 165 | 0 | 0 | 2748 |
| 18F | 642486 | 4261565 | 166 | 0 | 0 | 2768 |
| 18F | 642525 | 4261544 | 166 | 0 | 0 | 2812 |
| 18F | 642553 | 4261529 | 167 | 0 | 0 | 2844 |
| 18F | 642563 | 4261524 | 167 | 0 | 0 | 2856 |
| 18F | 642576 | 4261517 | 167 | 0 | 0 | 2870 |
| 18F | 642582 | 4261514 | 168 | 0 | 0 | 2876 |
| 18F | 642595 | 4261508 | 167 | 0 | 0 | 2891 |
| 18F | 642608 | 4261501 | 168 | 0 | 0 | 2906 |
| 18F | 642647 | 4261481 | 168 | 0 | 0 | 2950 |
| 18F | 642650 | 4261480 | 169 | 0 | 0 | 2953 |
| 18F | 642678 | 4261463 | 169 | 0 | 0 | 2985 |
| 18F | 642683 | 4261460 | 169 | 0 | 0 | 2991 |
| 18F | 642704 | 4261448 | 169 | 0 | 0 | 3015 |
| 18F | 642706 | 4261446 | 170 | 0 | 0 | 3018 |
| 18F | 642714 | 4261442 | 169 | 0 | 0 | 3027 |
| 18F | 642727 | 4261434 | 171 | 0 | 0 | 3042 |
| 18F | 642738 | 4261421 | 170 | 0 | 0 | 3059 |
| 18F | 642741 | 4261411 | 171 | 0 | 0 | 3069 |
| 18F | 642741 | 4261404 | 171 | 0 | 0 | 3076 |
| 18F | 642738 | 4261397 | 171 | 0 | 0 | 3084 |
| 18F | 642726 | 4261384 | 171 | 0 | 0 | 3101 |
| 18F | 642724 | 4261383 | 171 | 0 | 0 | 3103 |
| 18F | 642723 | 4261382 | 171 | 0 | 0 | 3105 |
| 18F | 642719 | 4261381 | 171 | 0 | 0 | 3109 |
| 18F | 642704 | 4261380 | 171 | 0 | 0 | 3124 |
| 18F | 642694 | 4261384 | 170 | 0 | 0 | 3135 |

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|-----|--------|---------|-----|---|---|------|
| 18F | 642663 | 4261407 | 170 | 0 | 0 | 3174 |
| 18F | 642611 | 4261430 | 169 | 0 | 0 | 3230 |
| 18F | 642602 | 4261435 | 170 | 0 | 0 | 3240 |
| 18F | 642600 | 4261436 | 169 | 0 | 0 | 3243 |
| 18F | 642577 | 4261446 | 169 | 0 | 0 | 3268 |
| 18F | 642572 | 4261449 | 168 | 0 | 0 | 3273 |
| 18F | 642568 | 4261451 | 169 | 0 | 0 | 3278 |
| 18F | 642558 | 4261455 | 168 | 0 | 0 | 3288 |
| 18F | 642549 | 4261459 | 168 | 0 | 0 | 3298 |
| 18F | 642547 | 4261460 | 168 | 0 | 0 | 3301 |
| 18F | 642534 | 4261467 | 168 | 0 | 0 | 3315 |
| 18F | 642525 | 4261471 | 167 | 0 | 0 | 3326 |
| 18F | 642518 | 4261475 | 167 | 0 | 0 | 3333 |
| 18F | 642515 | 4261476 | 167 | 0 | 0 | 3336 |
| 18F | 642513 | 4261477 | 167 | 0 | 0 | 3338 |
| 18F | 642511 | 4261478 | 167 | 0 | 0 | 3341 |
| 18F | 642509 | 4261479 | 167 | 0 | 0 | 3343 |
| 18F | 642500 | 4261484 | 167 | 0 | 0 | 3353 |
| 18F | 642482 | 4261493 | 166 | 0 | 0 | 3373 |
| 18F | 642461 | 4261503 | 166 | 0 | 0 | 3396 |
| 18F | 642459 | 4261504 | 166 | 0 | 0 | 3399 |
| 18F | 642450 | 4261509 | 166 | 0 | 0 | 3409 |
| 18F | 642448 | 4261510 | 165 | 0 | 0 | 3411 |
| 18F | 642435 | 4261516 | 166 | 0 | 0 | 3426 |
| 18F | 642428 | 4261520 | 165 | 0 | 0 | 3433 |
| 18F | 642405 | 4261531 | 165 | 0 | 0 | 3459 |
| 18F | 642387 | 4261540 | 164 | 0 | 0 | 3479 |
| 18F | 642382 | 4261542 | 163 | 0 | 0 | 3484 |
| 18F | 642380 | 4261544 | 163 | 0 | 0 | 3487 |
| 18F | 642371 | 4261549 | 162 | 0 | 0 | 3497 |
| 18F | 642344 | 4261561 | 162 | 0 | 0 | 3527 |
| 18F | 642337 | 4261564 | 161 | 0 | 0 | 3534 |
| 18F | 642328 | 4261568 | 161 | 0 | 0 | 3544 |
| 18F | 642320 | 4261571 | 161 | 0 | 0 | 3552 |
| 18F | 642318 | 4261572 | 161 | 0 | 0 | 3555 |
| 18F | 642316 | 4261573 | 160 | 0 | 0 | 3557 |
| 18F | 642301 | 4261578 | 160 | 0 | 0 | 3573 |
| 18F | 642294 | 4261579 | 159 | 0 | 0 | 3580 |
| 18F | 642292 | 4261579 | 160 | 0 | 0 | 3582 |
| 18F | 642287 | 4261579 | 159 | 0 | 0 | 3587 |
| 18F | 642273 | 4261569 | 158 | 0 | 0 | 3604 |
| 18F | 642268 | 4261562 | 157 | 0 | 0 | 3613 |
| 18F | 642267 | 4261560 | 158 | 0 | 0 | 3615 |
| 18F | 642265 | 4261556 | 153 | 0 | 0 | 3620 |
| 18F | 642264 | 4261554 | 154 | 0 | 0 | 3622 |
| 18F | 642263 | 4261549 | 151 | 0 | 0 | 3627 |
| 18F | 642263 | 4261547 | 151 | 0 | 0 | 3629 |

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|-----|--------|---------|-----|---|---|------|
| 18F | 642262 | 4261542 | 151 | 0 | 0 | 3634 |
| 18F | 642263 | 4261537 | 151 | 0 | 0 | 3639 |
| 18F | 642263 | 4261535 | 153 | 0 | 0 | 3641 |
| 18F | 642264 | 4261533 | 152 | 0 | 0 | 3643 |
| 18F | 642265 | 4261529 | 153 | 0 | 0 | 3647 |
| 18F | 642266 | 4261527 | 152 | 0 | 0 | 3650 |
| 18F | 642268 | 4261525 | 153 | 0 | 0 | 3652 |
| 18F | 642274 | 4261518 | 152 | 0 | 0 | 3661 |
| 18F | 642276 | 4261517 | 155 | 0 | 0 | 3664 |
| 18F | 642277 | 4261515 | 153 | 0 | 0 | 3666 |
| 18F | 642281 | 4261513 | 153 | 0 | 0 | 3670 |
| 18F | 642283 | 4261511 | 155 | 0 | 0 | 3673 |
| 18F | 642285 | 4261510 | 154 | 0 | 0 | 3675 |
| 18F | 642300 | 4261497 | 154 | 0 | 0 | 3695 |
| 18F | 642302 | 4261495 | 161 | 0 | 0 | 3698 |
| 18F | 642307 | 4261492 | 161 | 0 | 0 | 3703 |
| 18F | 642313 | 4261487 | 161 | 0 | 0 | 3711 |
| 18F | 642315 | 4261486 | 162 | 0 | 0 | 3714 |
| 18F | 642324 | 4261479 | 163 | 0 | 0 | 3725 |
| 18F | 642328 | 4261475 | 163 | 0 | 0 | 3730 |
| 18F | 642330 | 4261473 | 163 | 0 | 0 | 3733 |
| 18F | 642332 | 4261472 | 162 | 0 | 0 | 3736 |
| 18F | 642341 | 4261465 | 163 | 0 | 0 | 3747 |
| 18F | 642346 | 4261462 | 164 | 0 | 0 | 3753 |
| 18F | 642371 | 4261447 | 164 | 0 | 0 | 3782 |
| 18F | 642397 | 4261435 | 166 | 0 | 0 | 3810 |
| 18F | 642407 | 4261429 | 165 | 0 | 0 | 3822 |
| 18F | 642410 | 4261428 | 166 | 0 | 0 | 3825 |
| 18F | 642412 | 4261426 | 165 | 0 | 0 | 3828 |
| 18F | 642429 | 4261416 | 167 | 0 | 0 | 3848 |
| 18F | 642453 | 4261404 | 166 | 0 | 0 | 3874 |
| 18F | 642465 | 4261398 | 167 | 0 | 0 | 3888 |
| 18F | 642486 | 4261388 | 167 | 0 | 0 | 3911 |
| 18F | 642488 | 4261386 | 167 | 0 | 0 | 3913 |
| 18F | 642493 | 4261384 | 167 | 0 | 0 | 3919 |
| 18F | 642496 | 4261382 | 169 | 0 | 0 | 3922 |
| 18F | 642506 | 4261377 | 169 | 0 | 0 | 3934 |
| 18F | 642530 | 4261365 | 169 | 0 | 0 | 3960 |
| 18F | 642542 | 4261359 | 169 | 0 | 0 | 3974 |
| 18F | 642550 | 4261355 | 170 | 0 | 0 | 3983 |
| 18F | 642553 | 4261354 | 169 | 0 | 0 | 3986 |
| 18F | 642558 | 4261351 | 169 | 0 | 0 | 3991 |
| 18F | 642563 | 4261348 | 169 | 0 | 0 | 3997 |
| 18F | 642590 | 4261336 | 170 | 0 | 0 | 4026 |
| 18F | 642603 | 4261330 | 170 | 0 | 0 | 4041 |
| 18F | 642606 | 4261329 | 169 | 0 | 0 | 4044 |
| 18F | 642608 | 4261328 | 170 | 0 | 0 | 4047 |

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|-----|--------|---------|-----|---|---|------|
| 18F | 642632 | 4261316 | 170 | 0 | 0 | 4073 |
| 18F | 642640 | 4261312 | 171 | 0 | 0 | 4082 |
| 18F | 642645 | 4261310 | 170 | 0 | 0 | 4087 |
| 18F | 642653 | 4261306 | 171 | 0 | 0 | 4096 |
| 18F | 642684 | 4261291 | 171 | 0 | 0 | 4131 |

PROF. MAX 172
PROF. MIN 133

PERT 213122195

FECHA: 15/11/2016 HORA INICIO: 15:52 HORA TERMINO: 16:18

