

**SEMAR**



**DIRECCIÓN GENERAL ADJUNTA DE OCEANOGRAFÍA  
HIDROGRAFÍA Y METEOROLOGÍA**



**SECRETARÍA  
DE MARINA**

# Calendario Gráfico de Mareas OCÉANO PACÍFICO

**2011**



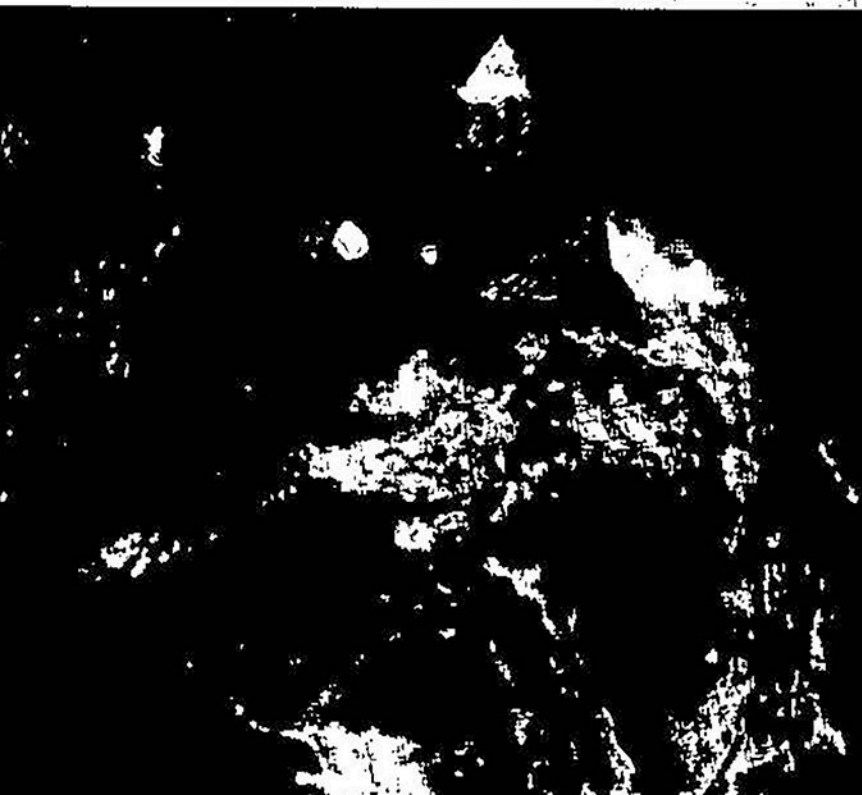
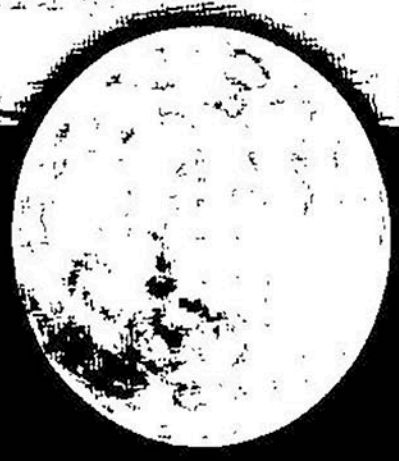
**SECRETARÍA DE MARINA  
CASA DE MONEDA  
1 CALLE SAN  
MATEO CENTRO**

Ensenada, B.C.  
Isla Cedros, B.C.

Puerto Peñasco, Son.  
San Felipe, B.C.

Santa Rosalía, B.C.S.  
La Paz, B.C.S.

Guaymas, Son.  
Topolobampo, Sin.  
Mazatlán, Sin.



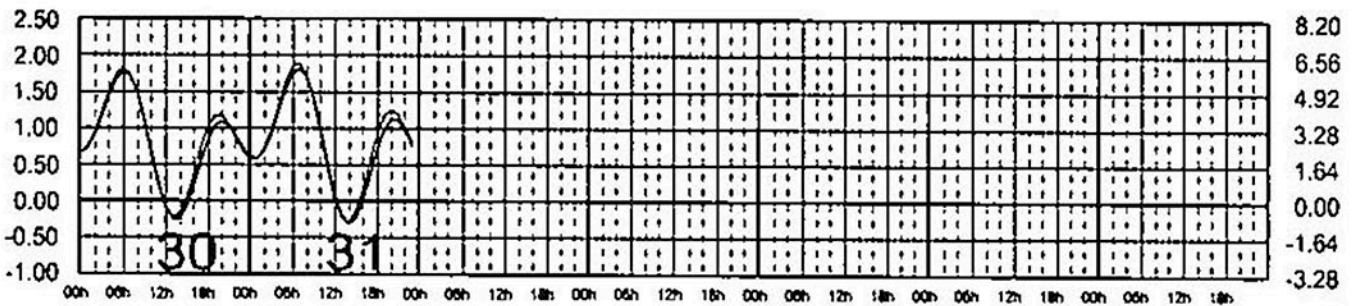
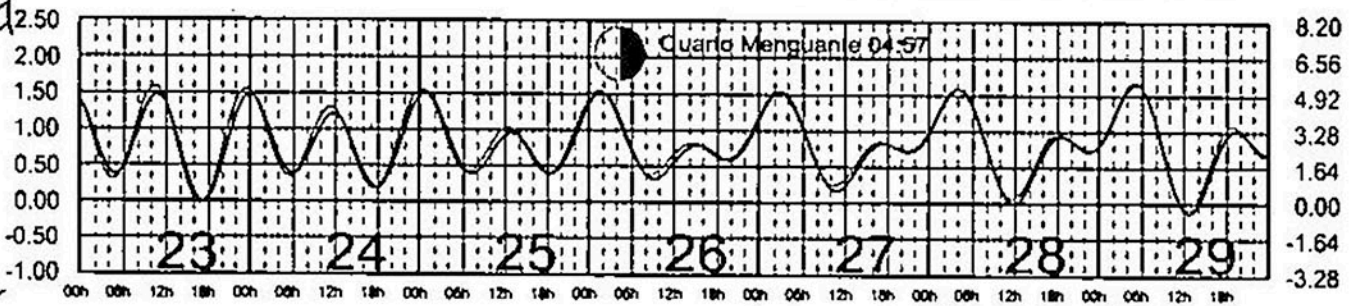
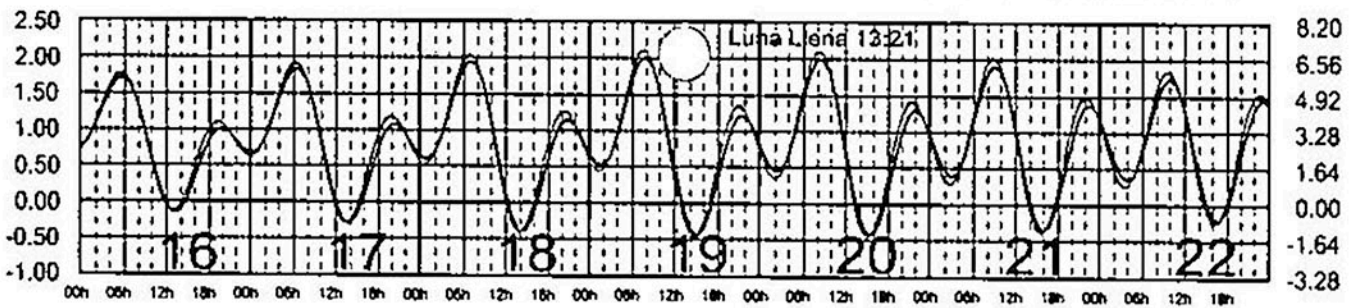
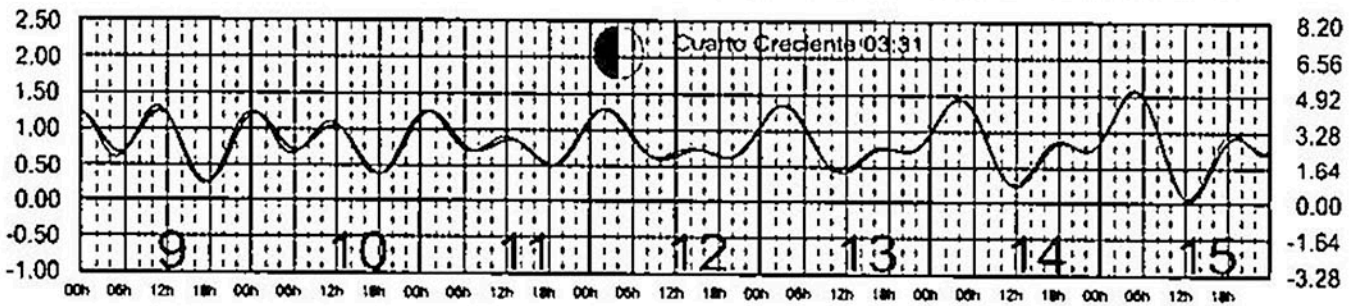
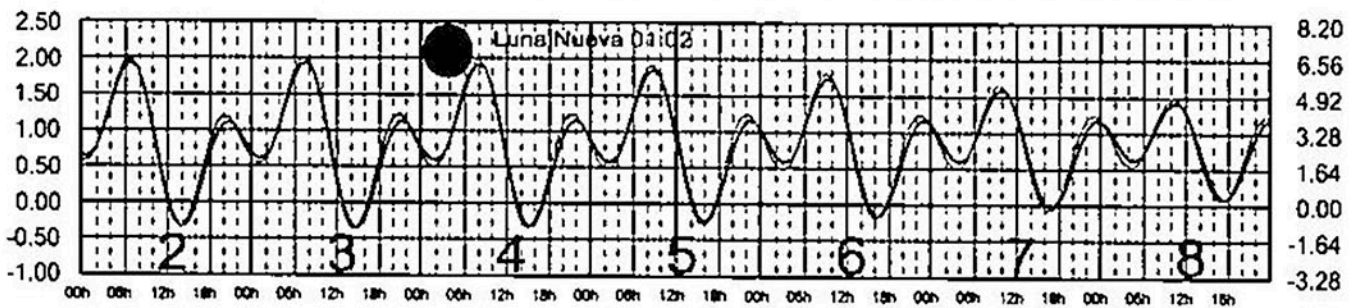
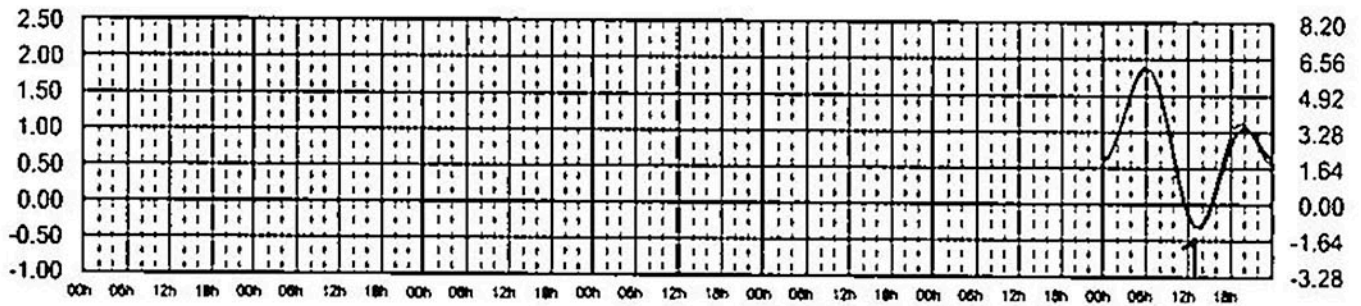
# ENERO, 2011

Hora del Meridiano 120°(W)

Plano de Referencia NBMI

ENSENADA, B.C.  
ISLA CEDROS, B.C.

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



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C345  
1/2017  
D1008011  
E-12

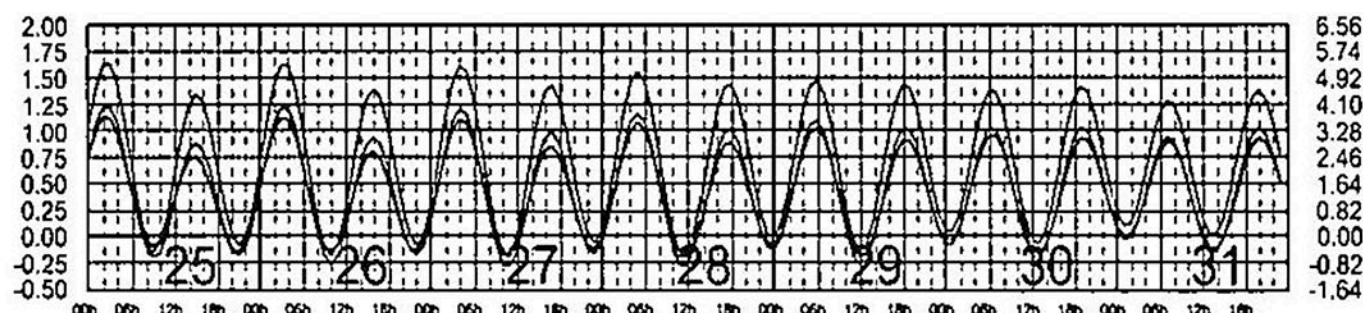
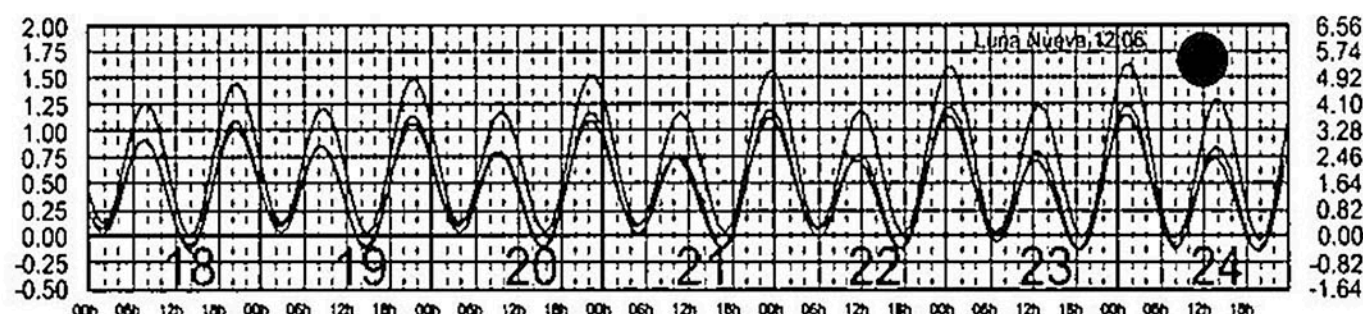
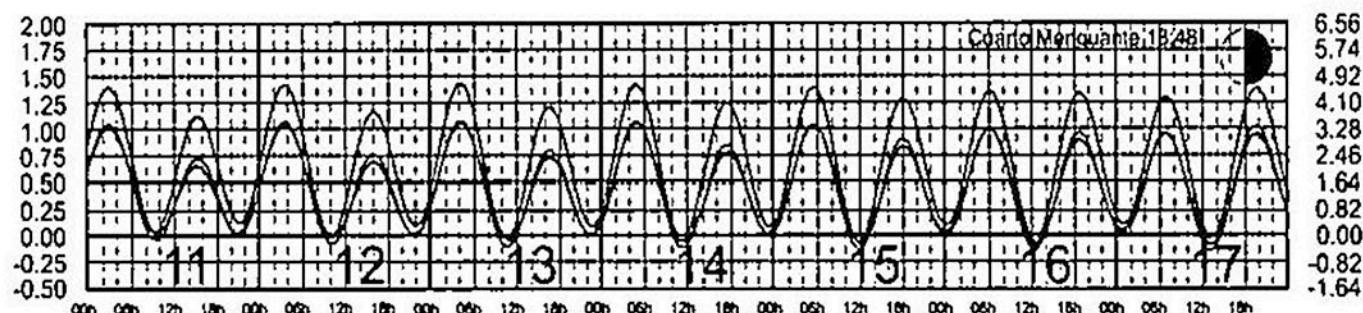
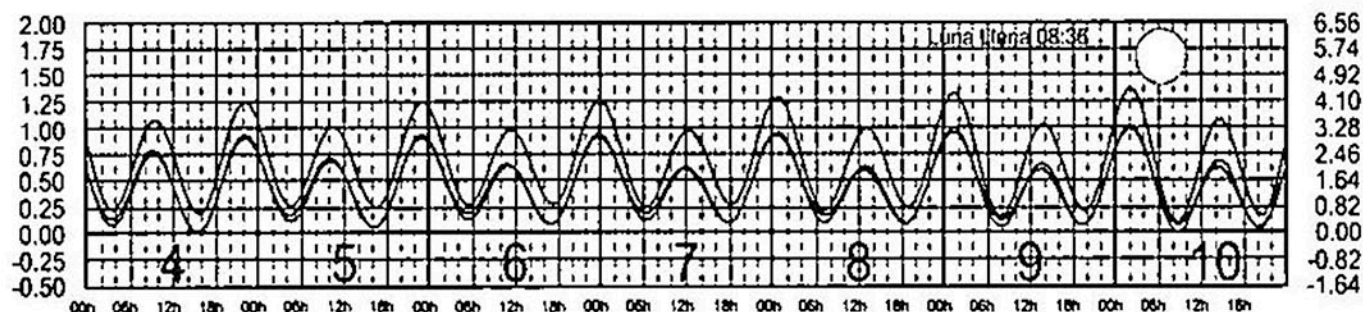
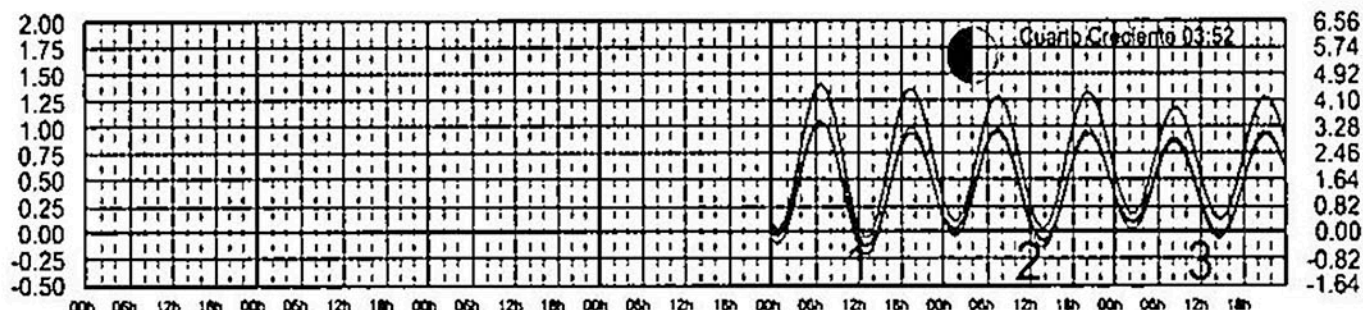


# DICIEMBRE, 2011

Hora del Meridiano 90°(W)

Plano de Referencia NBM1 STA. CRUZ HUATULCO, OAX. ———  
 SALINA CRUZ, OAX. ———  
 PTO. CHIAPAS, CHIS. ———

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



# FEBRERO, 2011

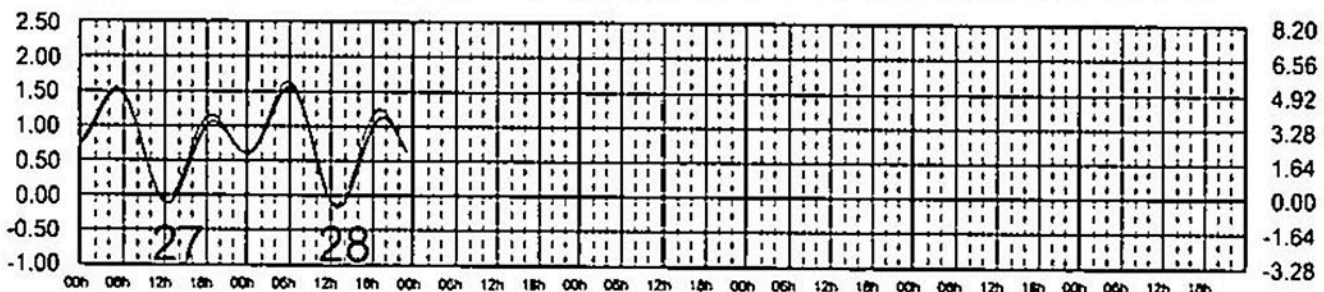
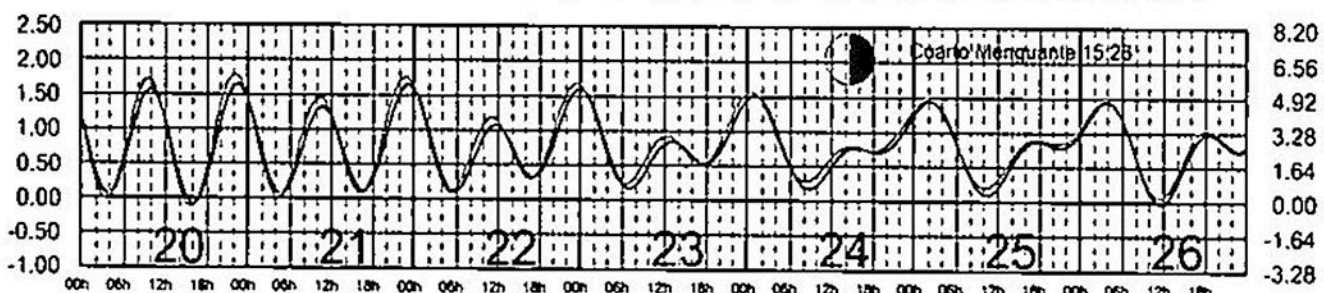
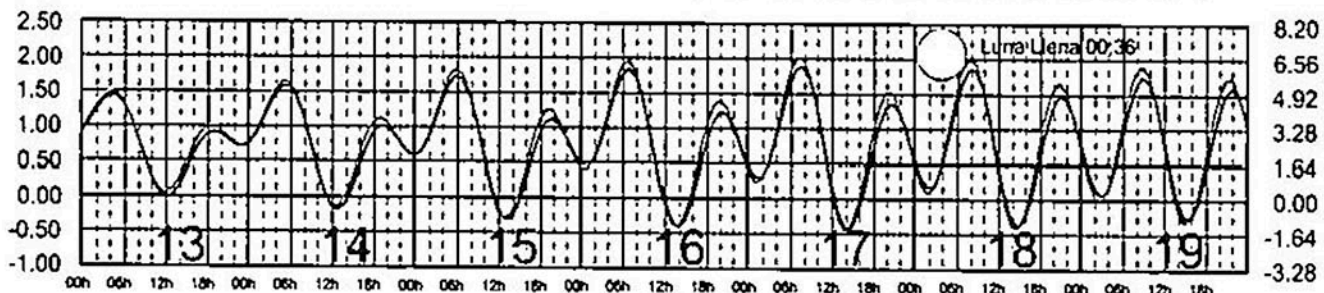
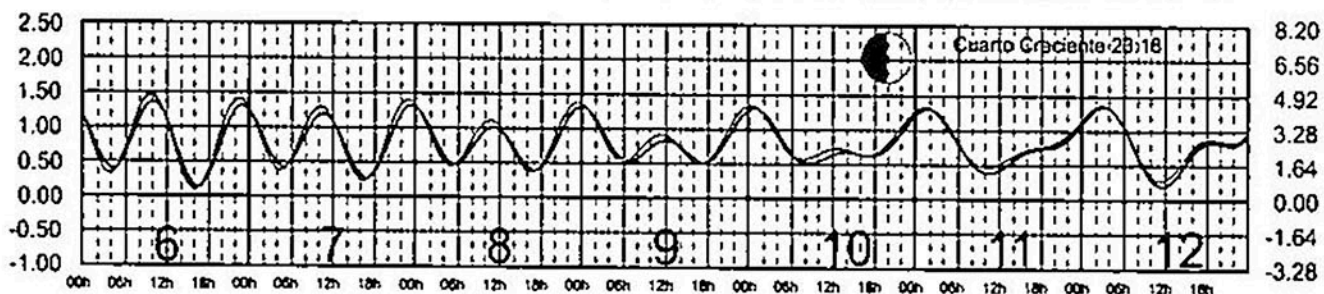
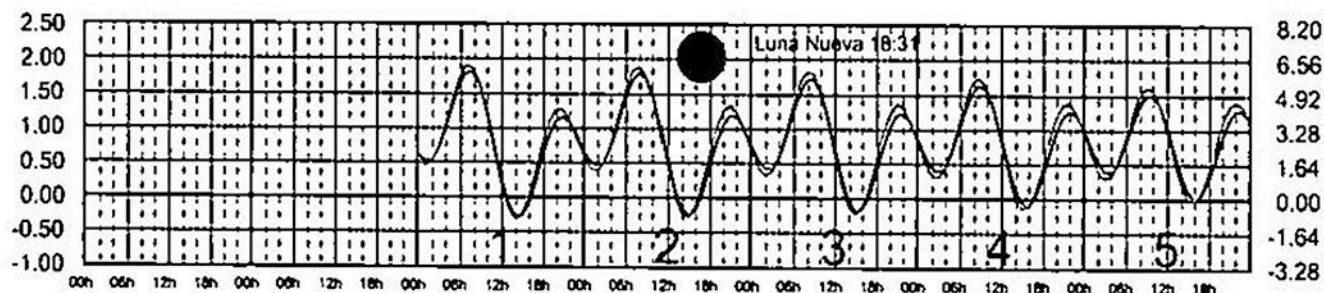
Hora del Meridiano 120°(W)

Plano de Referencia NBMI

ENSENADA, B.C.  
ISLA CEDROS, B.C.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



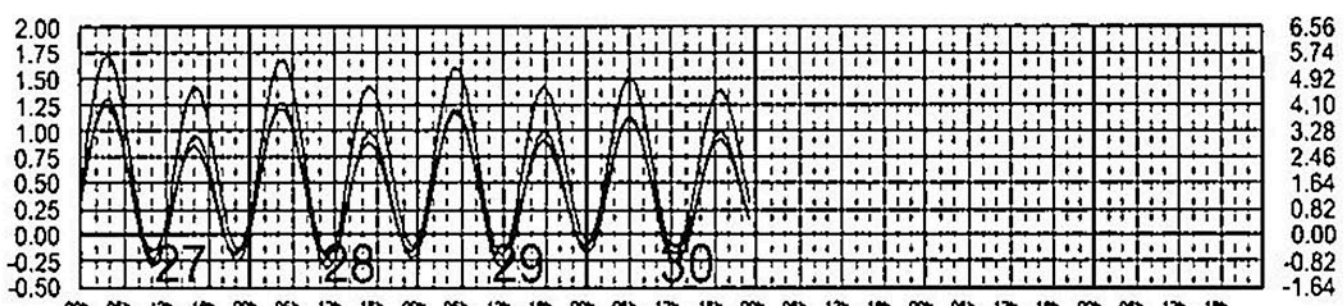
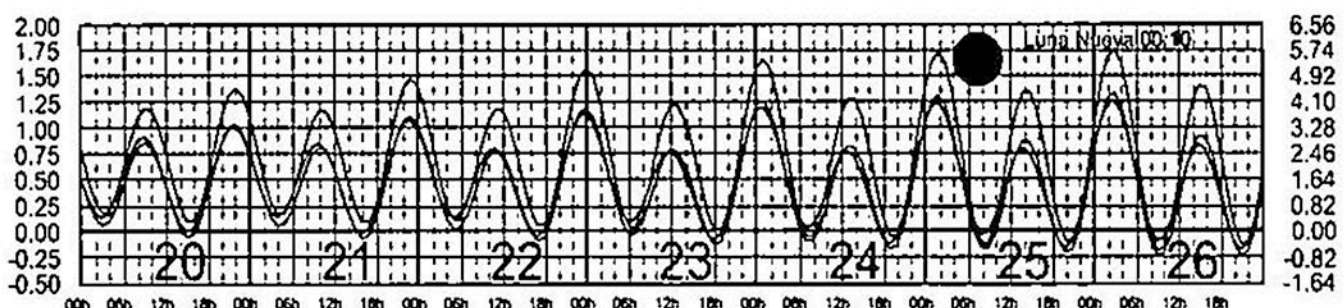
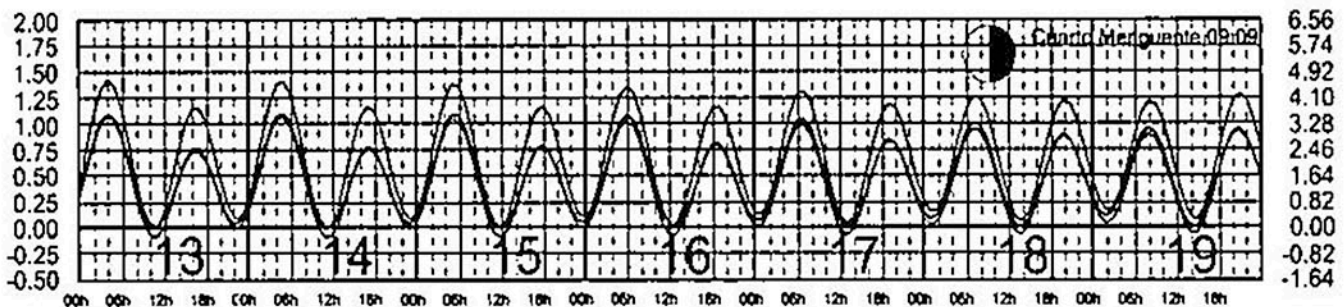
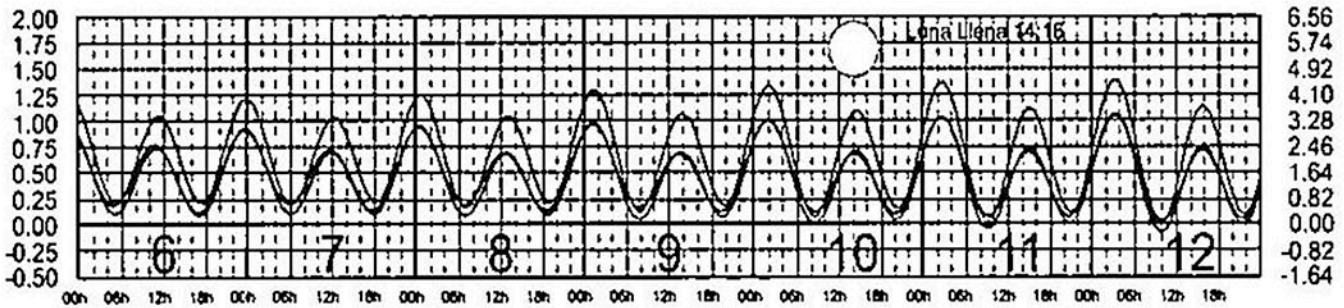
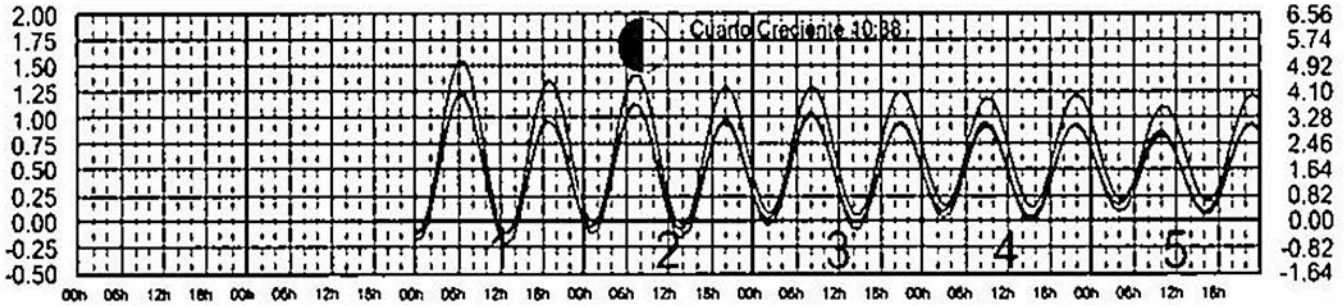
SECRETARÍA DE MARINA  
DIRECCIÓN DE HISTORIA  
Y CULTURA NAVAL  
BIBLIOTECA CENTRAL

# NOVIEMBRE, 2011

Hora del Meridiano 90°(W)

Plano de Referencia NBMI STA. CRUZ HUATULCO, OAX. ———  
 SALINA CRUZ, OAX. ———  
 PTO. CHIAPAS, CHIS. ———

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES





# MARZO, 2011

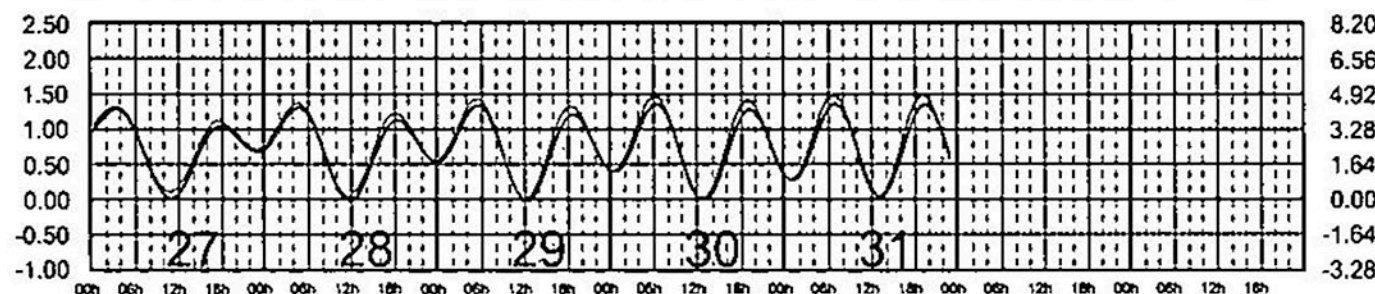
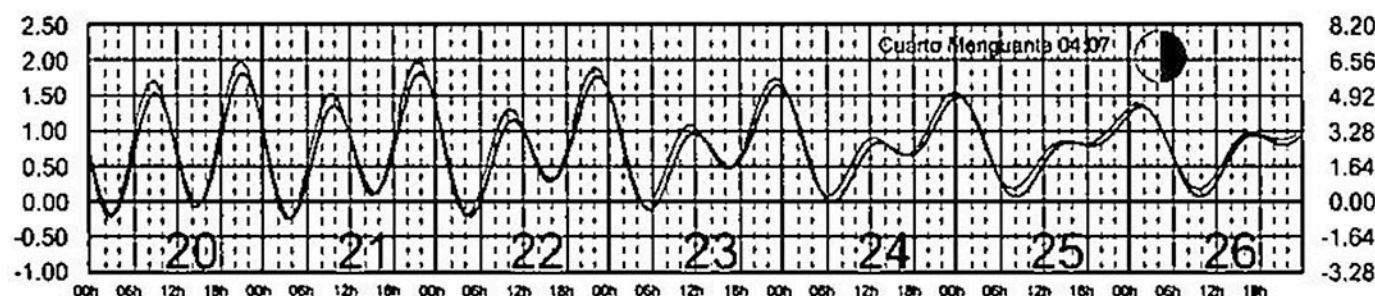
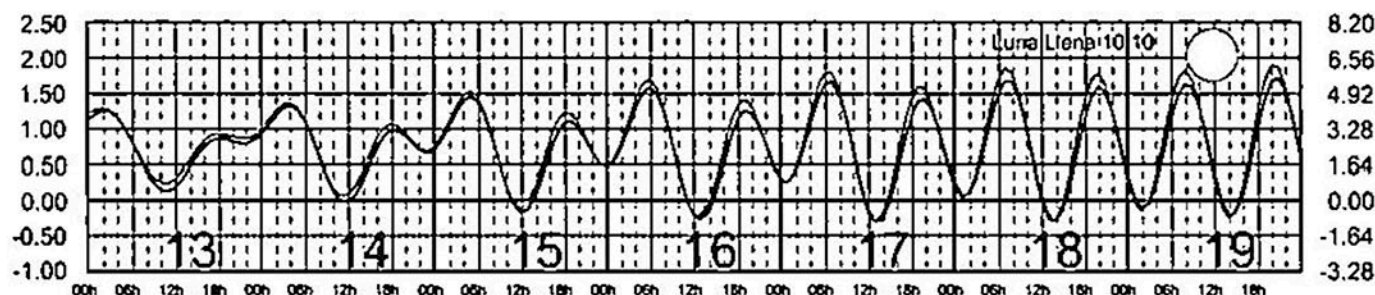
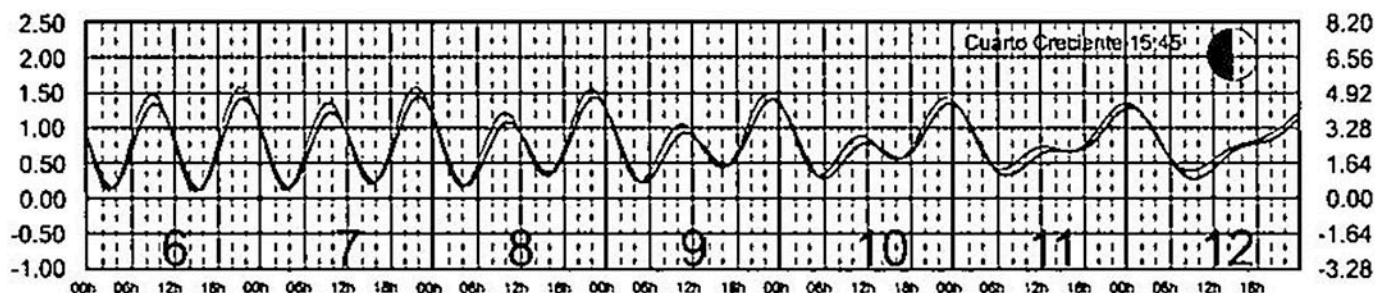
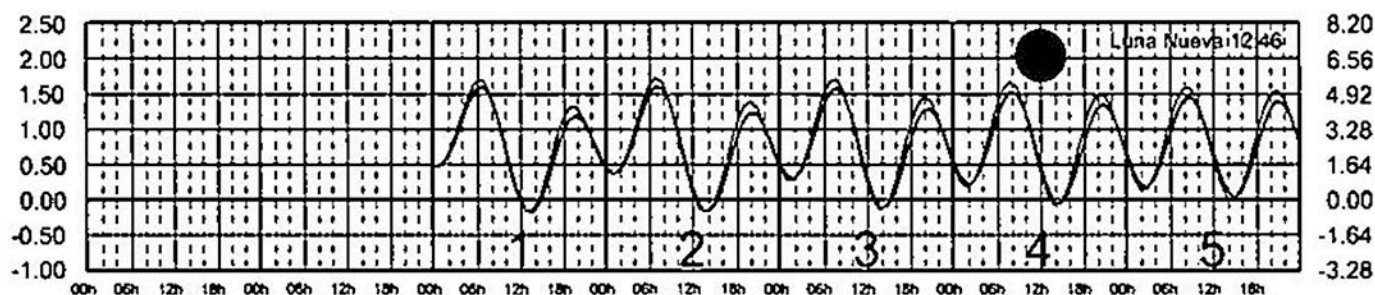
Hora del Meridiano 120°(W)

Plano de Referencia NBMI

ENSENADA, B.C.  
ISLA CEDROS, B.C.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES

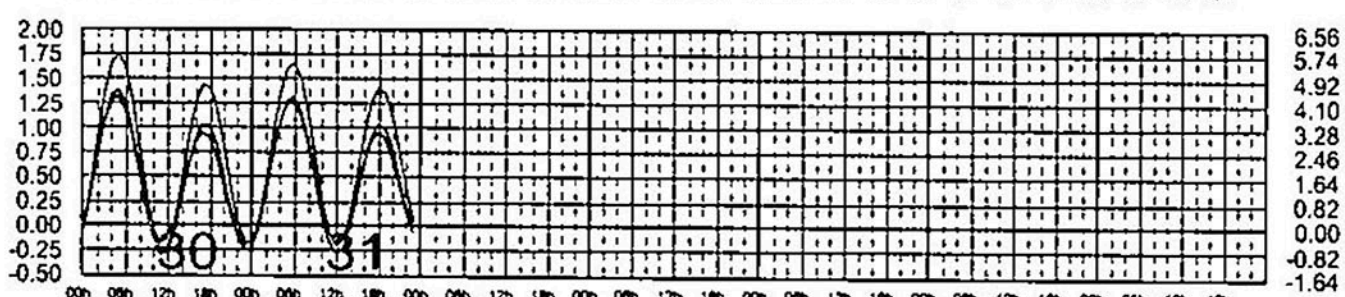
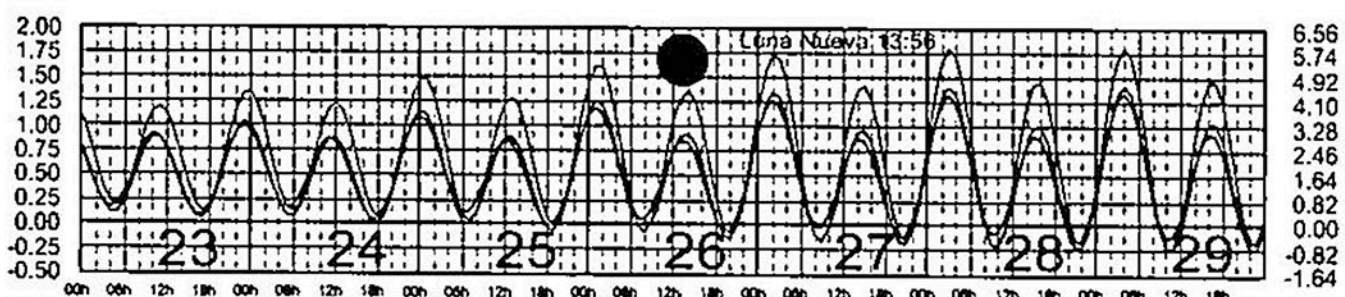
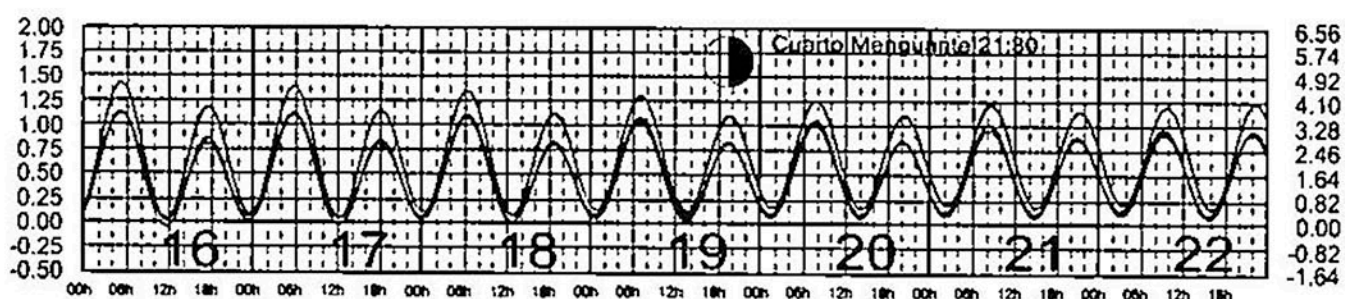
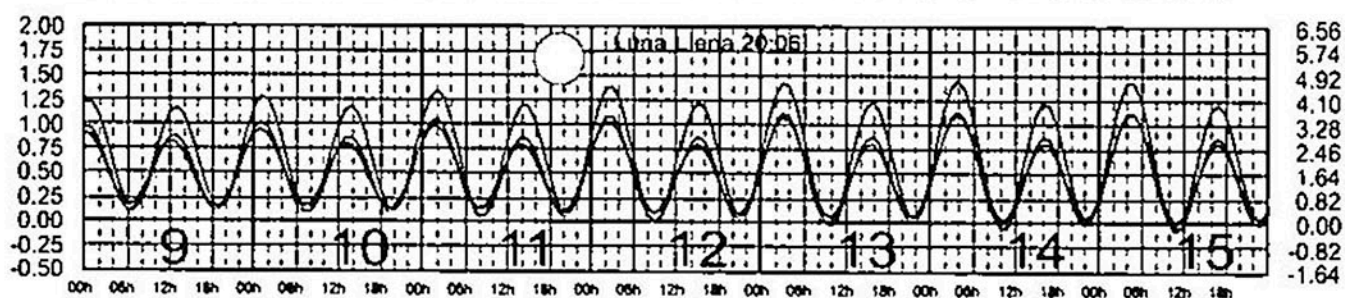
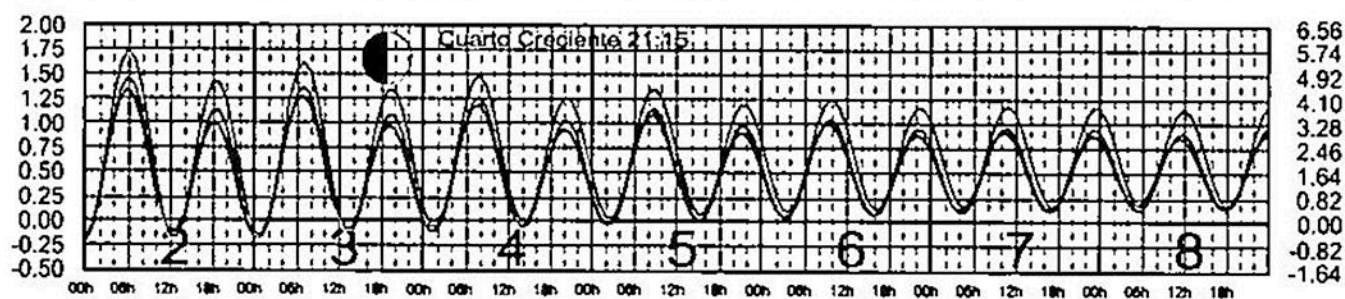
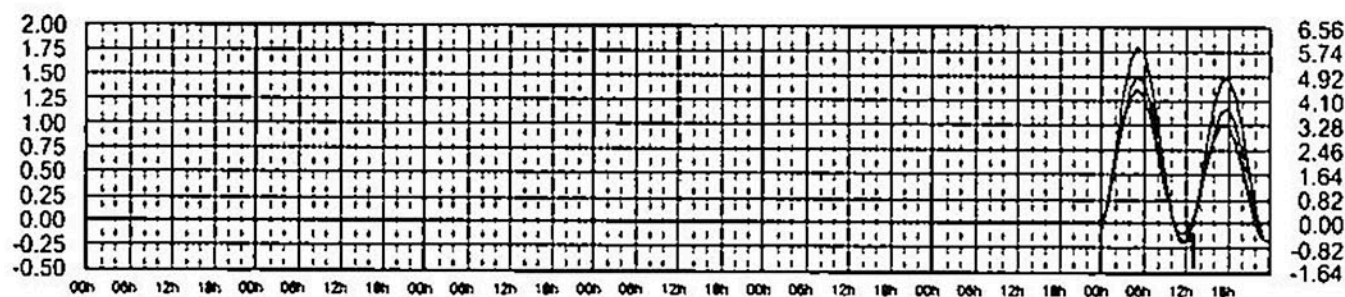


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Hora del Meridiano 90°(W)

Plano de Referencia NBMI STA. CRUZ HUATULCO, OAX.  
 SALINA CRUZ, OAX.  
 PTO. CHIAPAS, CHIS.

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES





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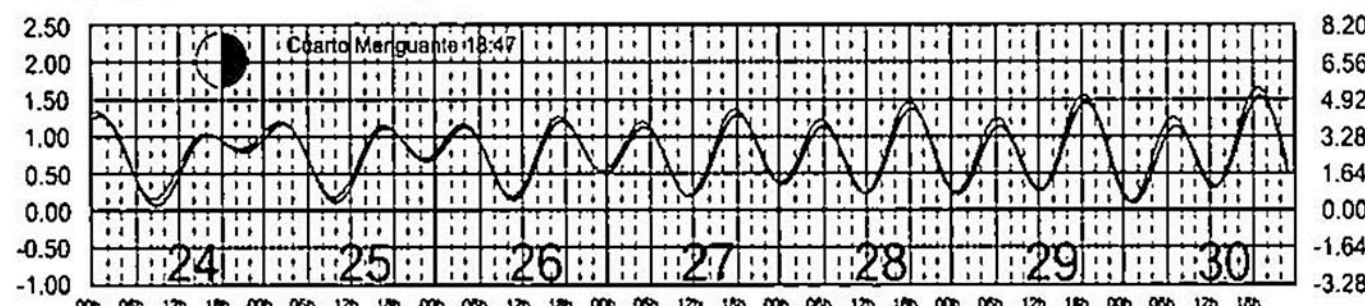
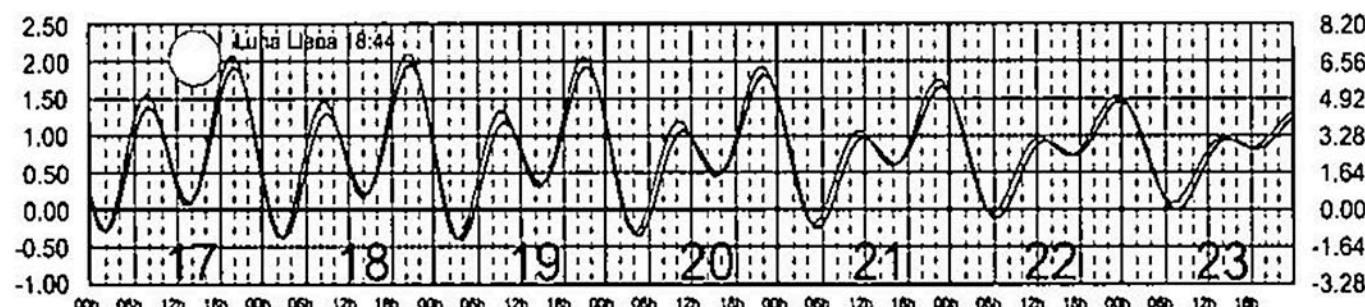
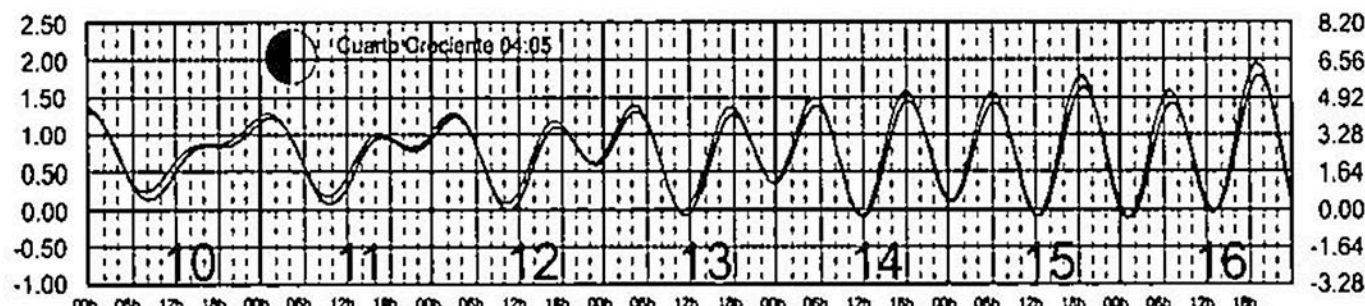
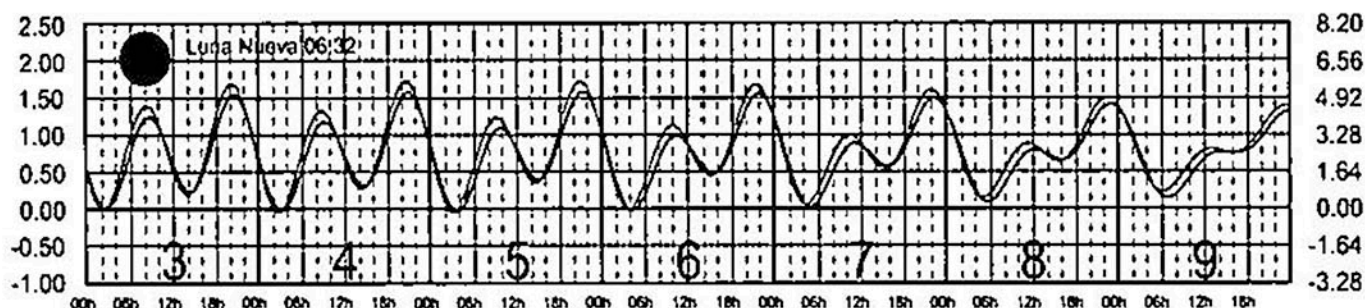
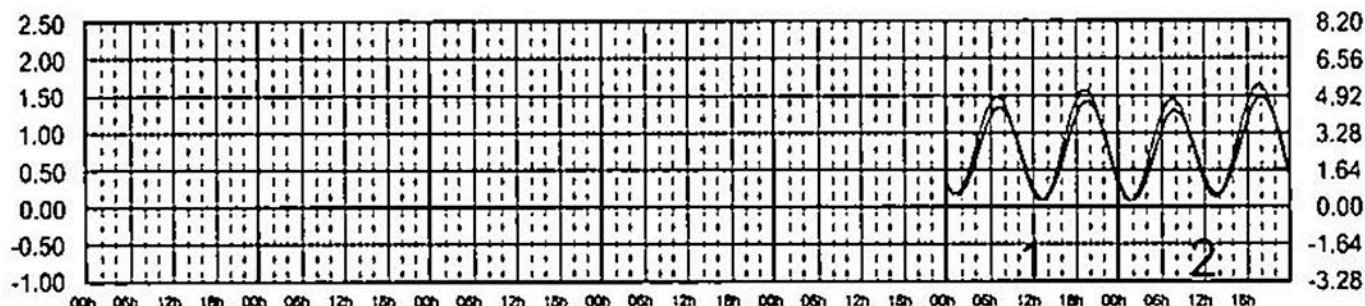
Hora del Meridiano 120°(W)

Plano de Referencia NBMI

ENSENADA, B.C.  
ISLA CEDROS, B.C.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



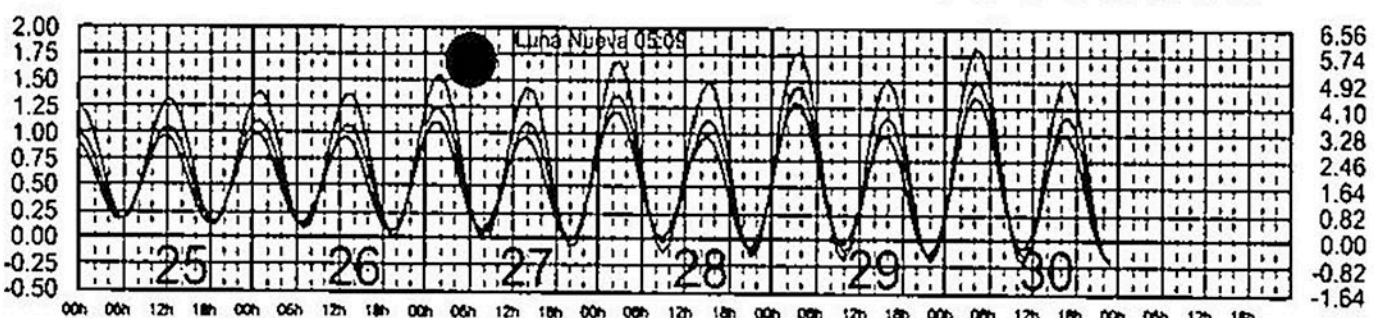
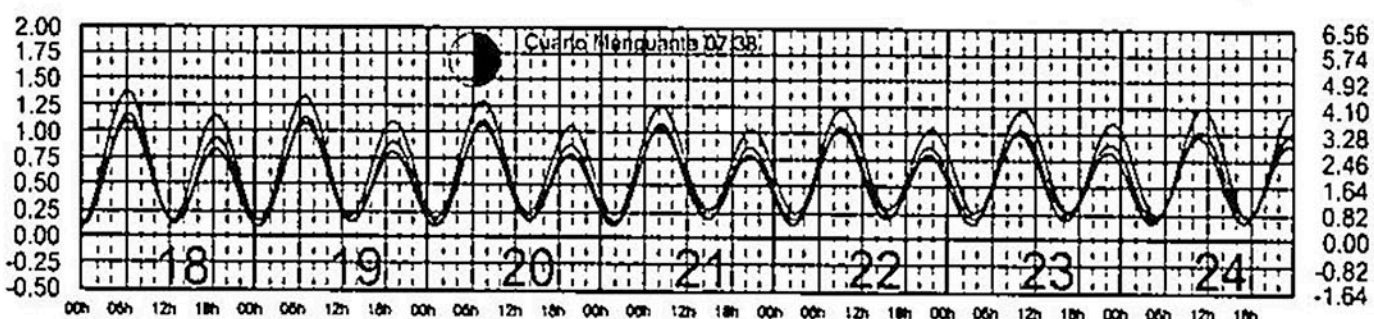
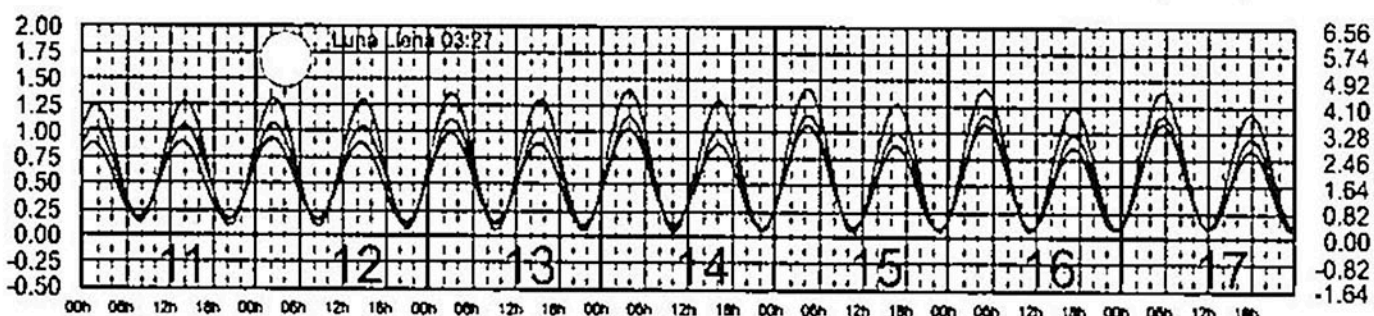
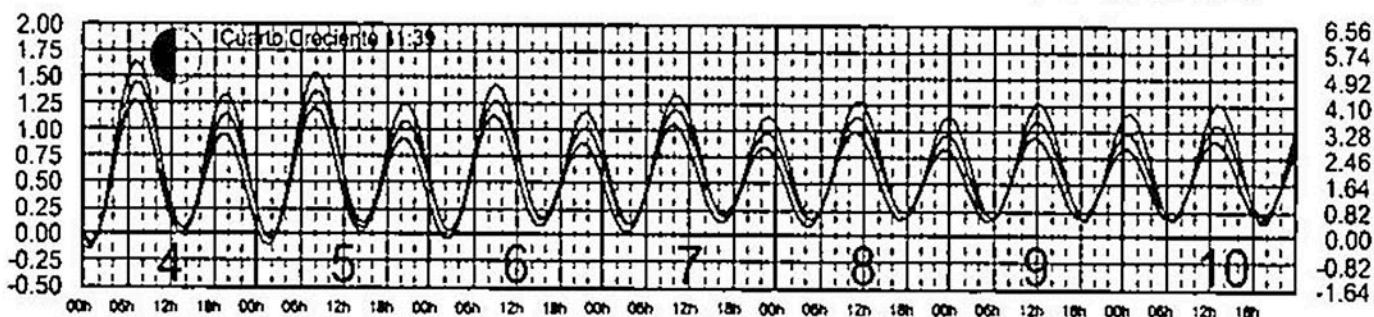
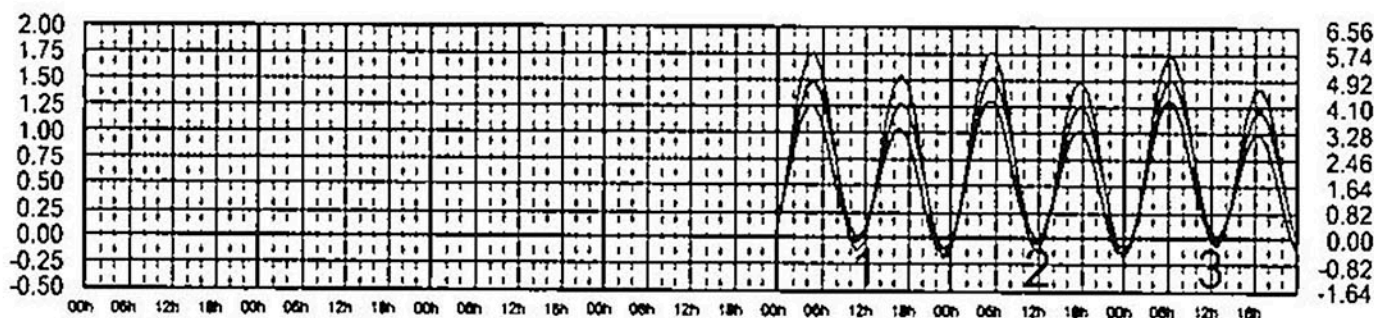


# SEPTIEMBRE, 2011

Hora del Meridiano 90°(W)

Plano de Referencia NBMI STA. CRUZ HUATULCO, OAX. ———  
 SALINA CRUZ, OAX. ———  
 PTO. CHIAPAS, CHIS. ———

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



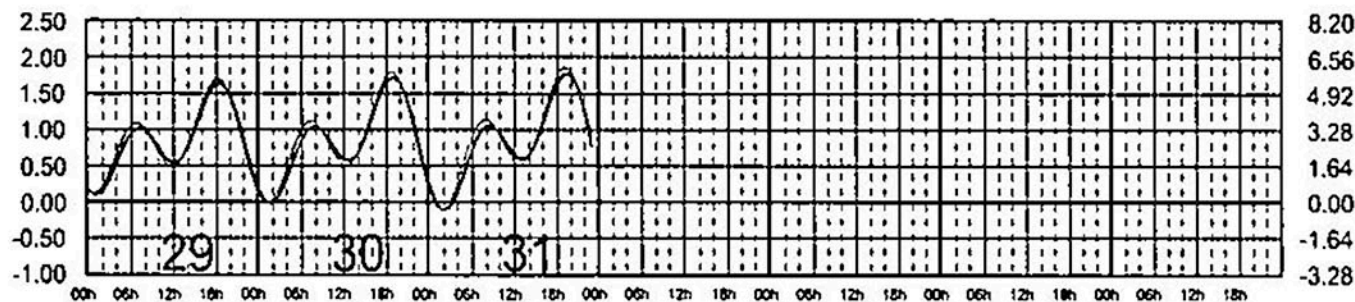
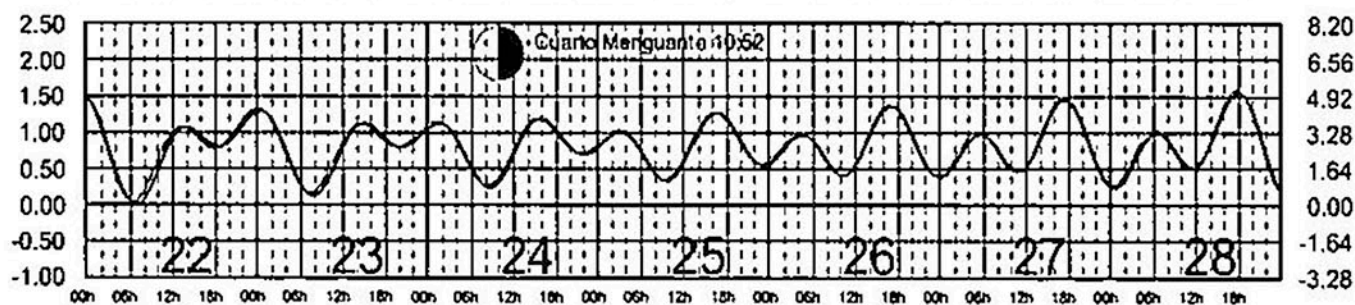
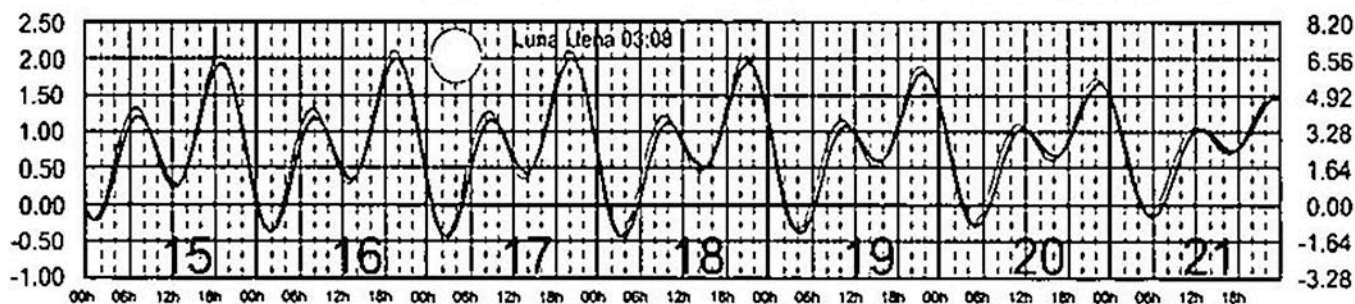
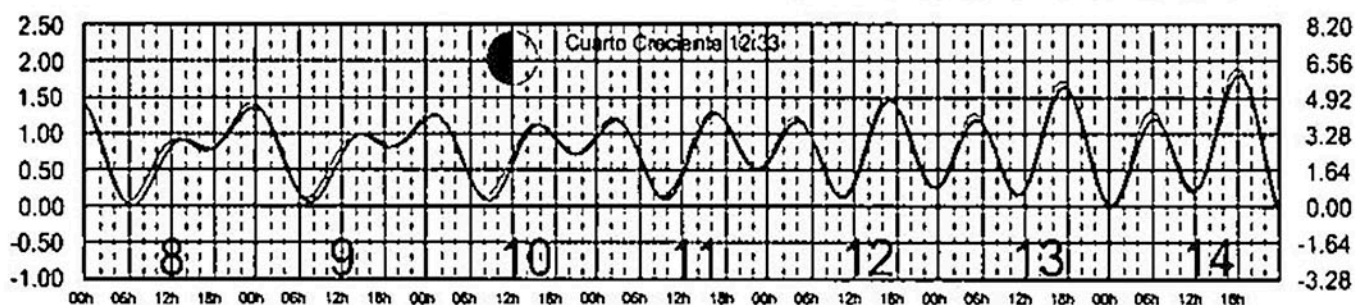
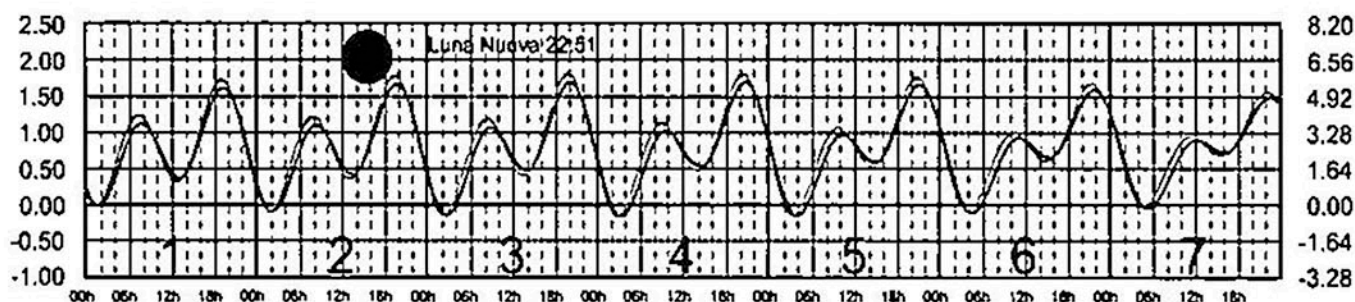
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Hora del Meridiano 120°(W)

Plano de Referencia NBM1

ENSENADA, B.C.  
ISLA CEDROS, B.C

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES

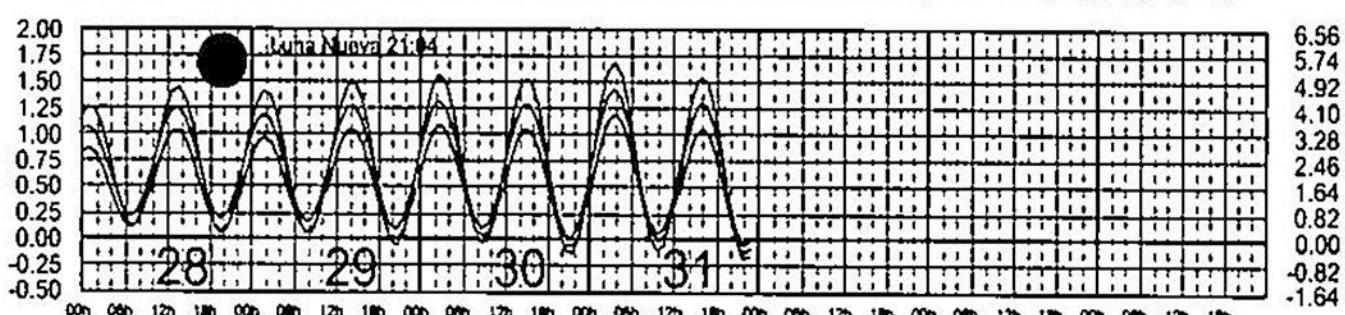
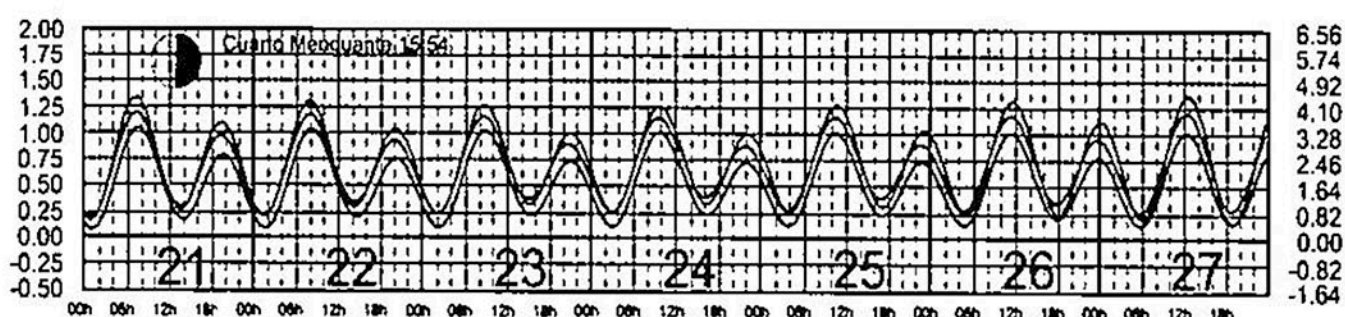
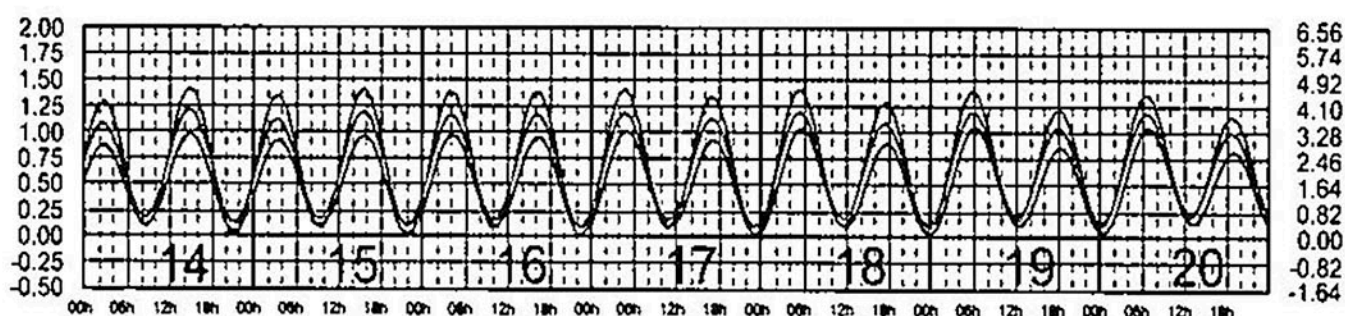
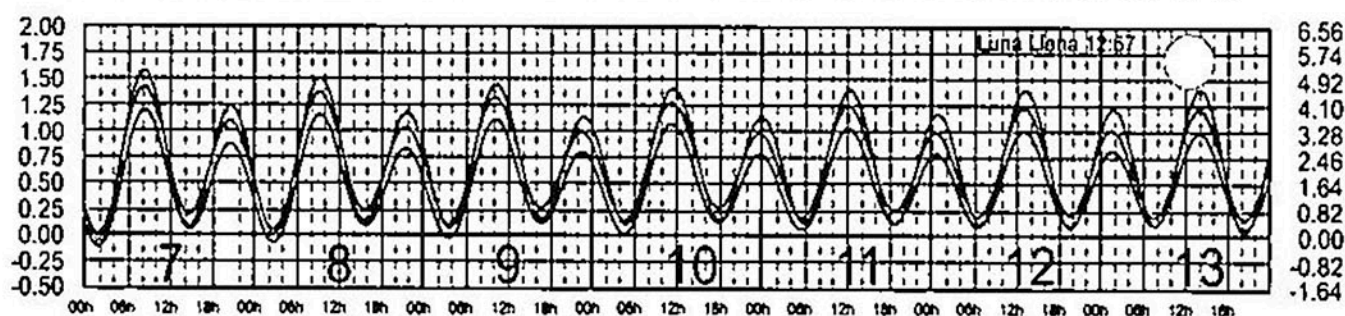
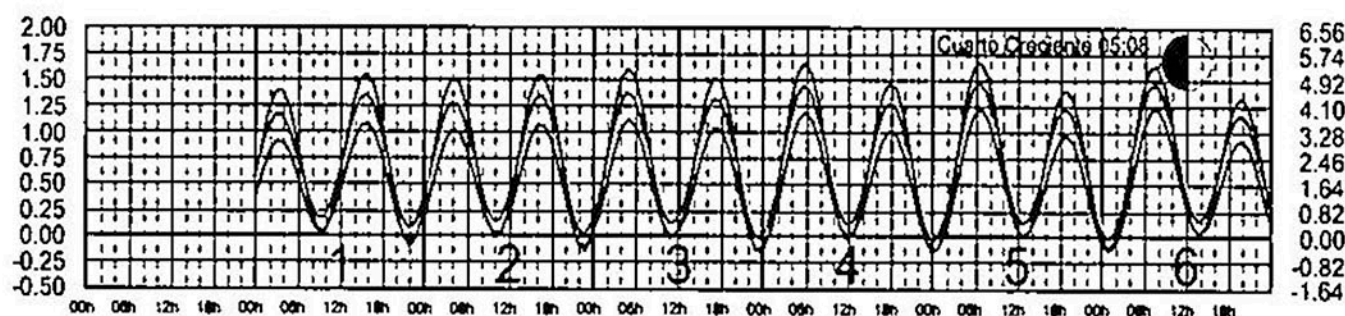


# AGOSTO, 2011

Hora del Meridiano 90°(W)

Plano de Referencia NBMI STA. CRUZ HUATULCO, OAX. ———  
 SALINA CRUZ, OAX. = = = = =  
 PTO. CHIAPAS, CHIS. ———

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES





# JUNIO, 2011

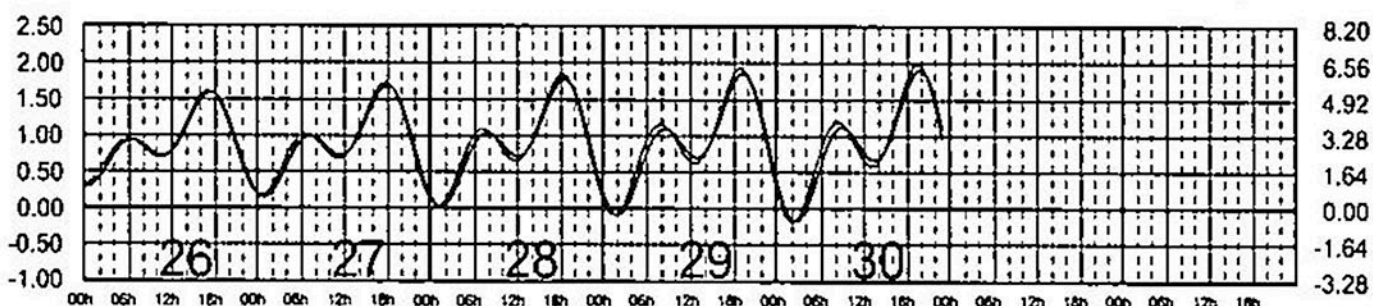
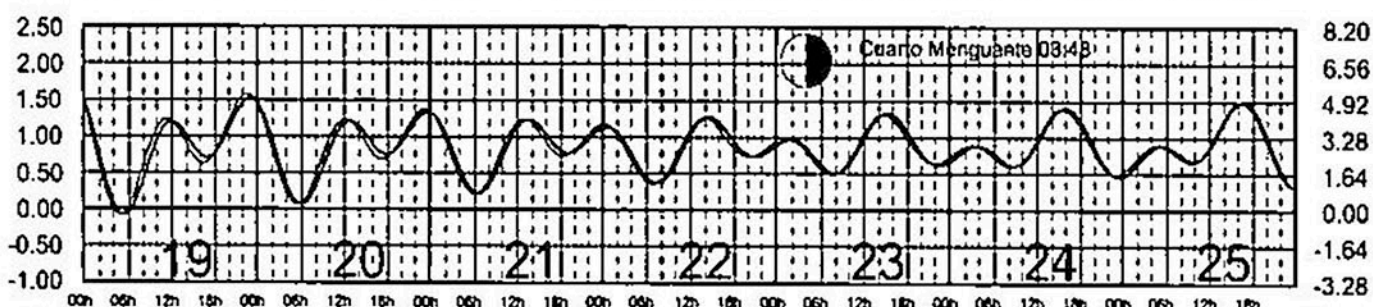
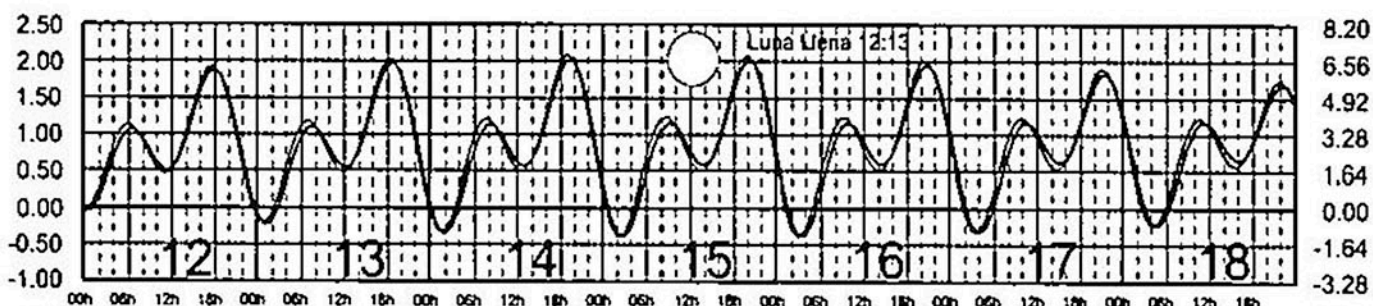
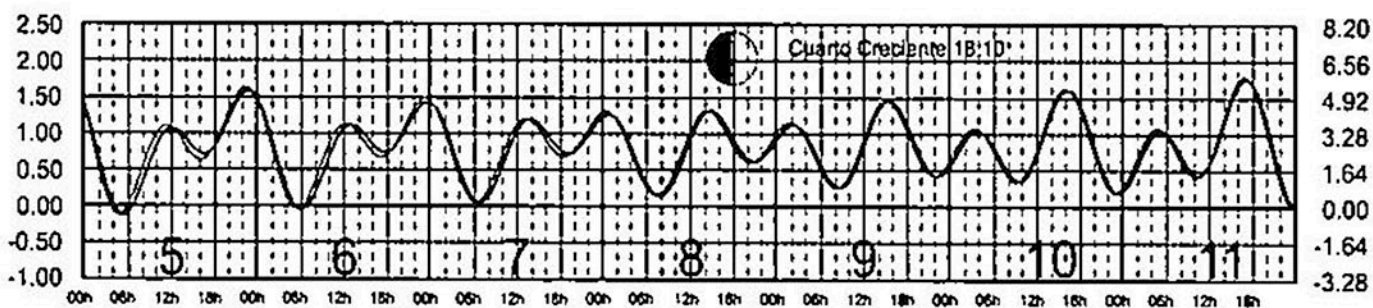
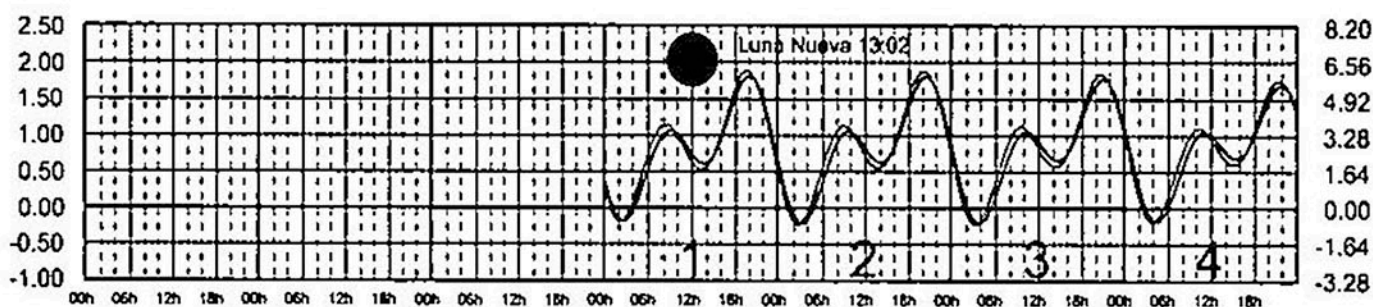
Hora del Meridiano 120°(W)

Plano de Referencia NBM1

ENSENADA, B.C.  
ISLA CEDROS, B.C.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES

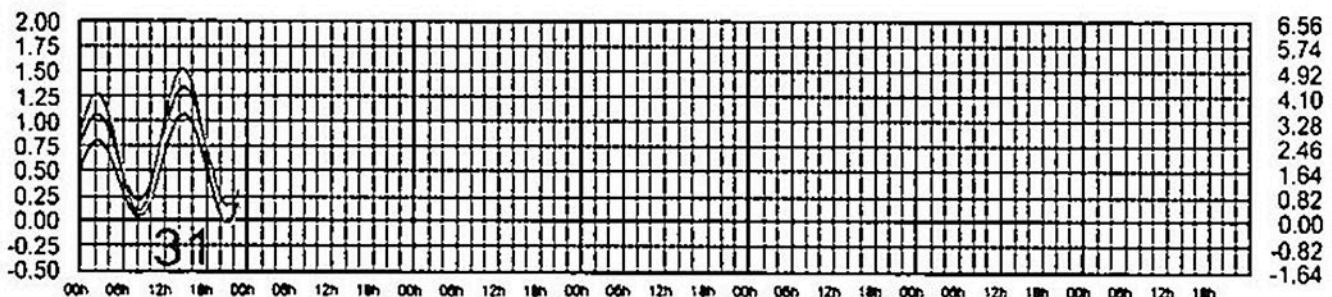
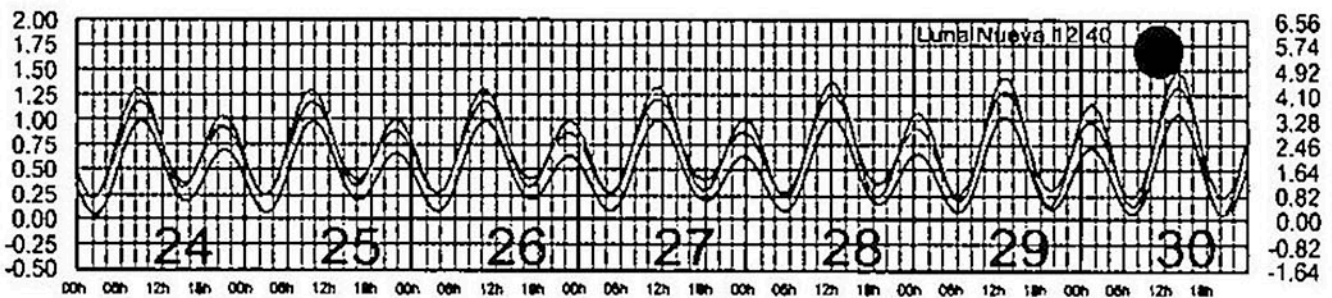
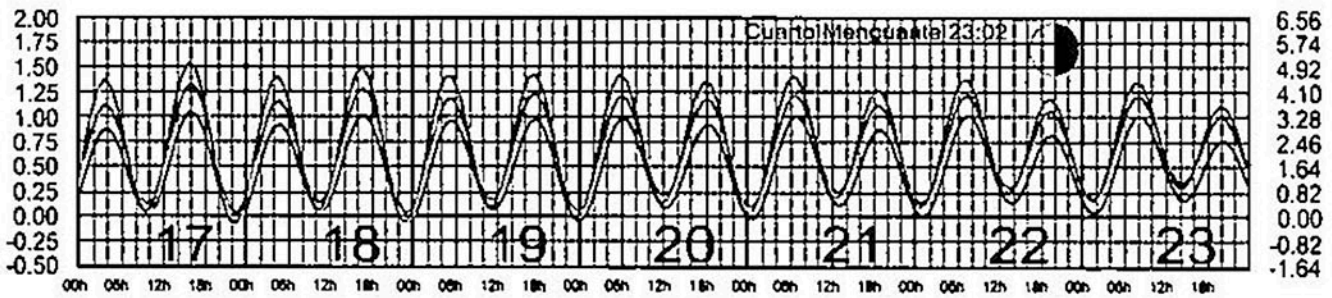
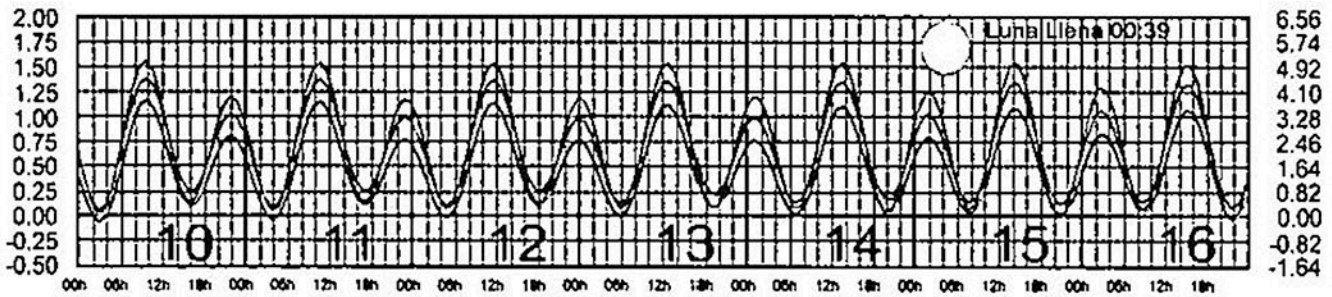
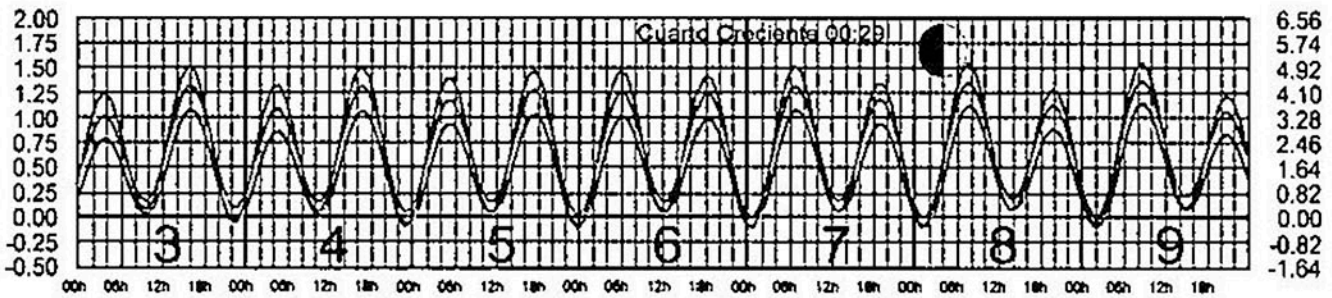
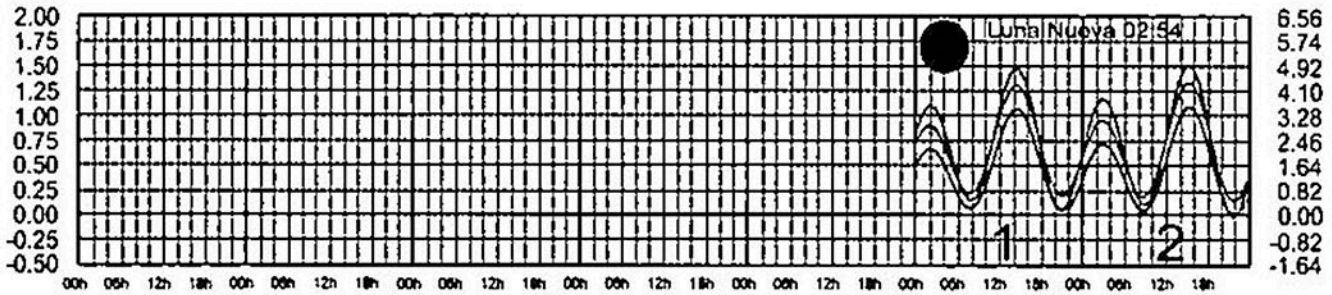


# JULIO, 2011

Hora del Meridiano 90°(W)

Plano de Referencia NBMI STA. CRUZ HUATULCO, OAX. ———  
 SALINA CRUZ, OAX. = = = = =  
 PTO. CHIAPAS, CHIS. ———

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES





# JULIO, 2011

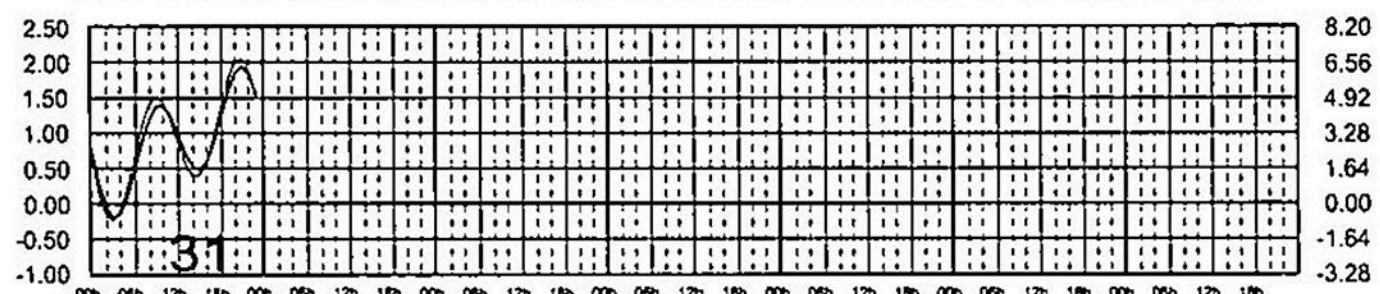
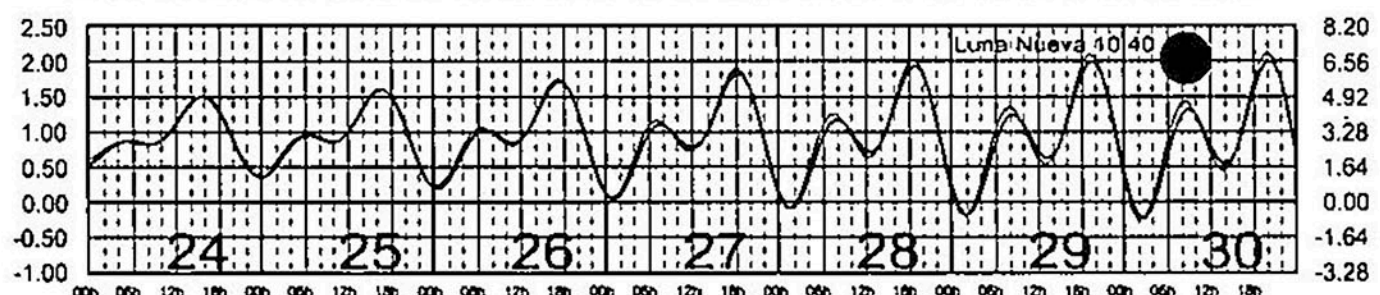
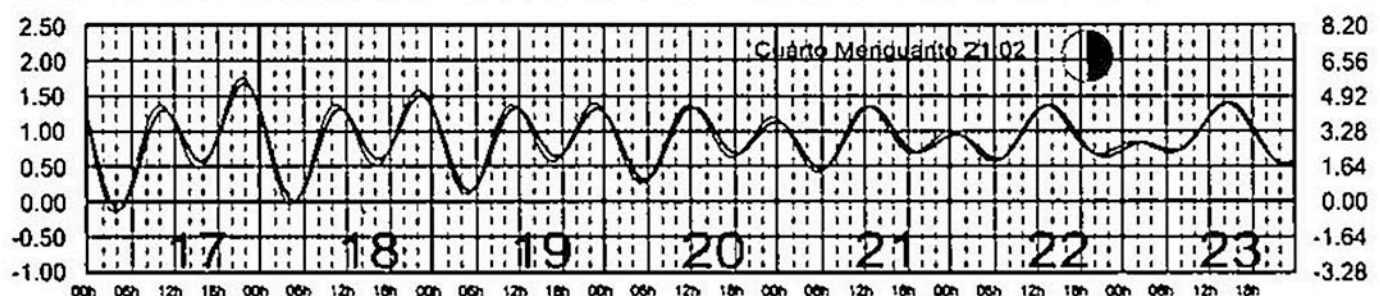
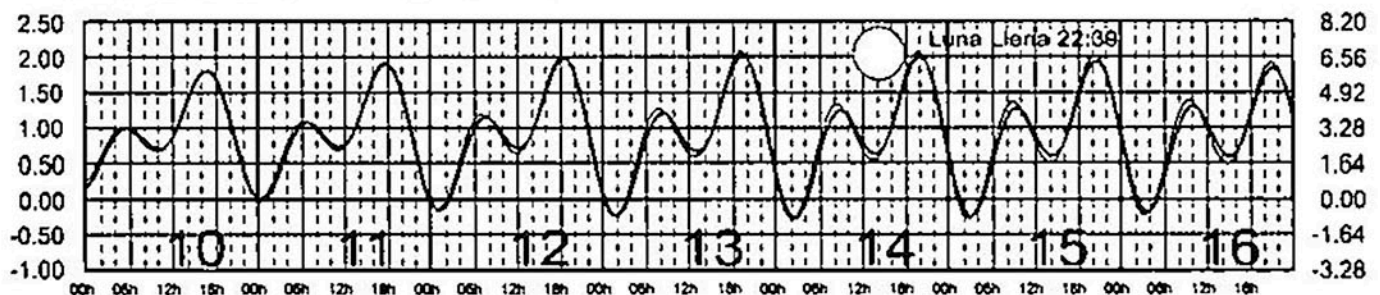
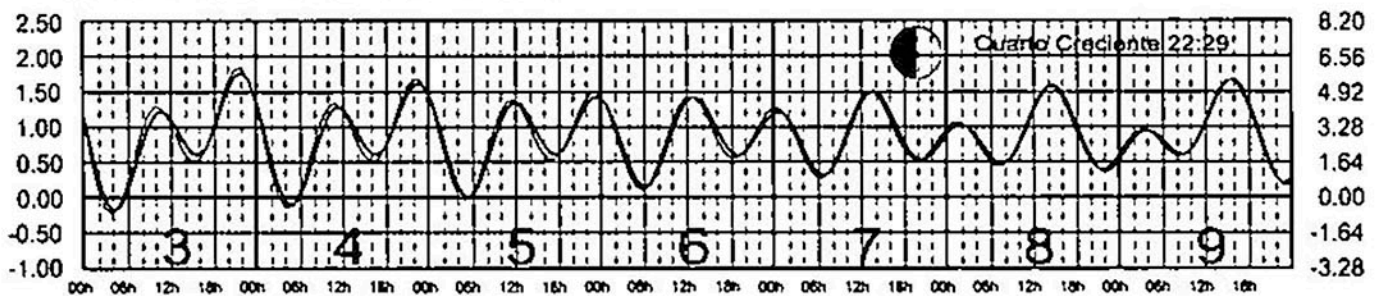
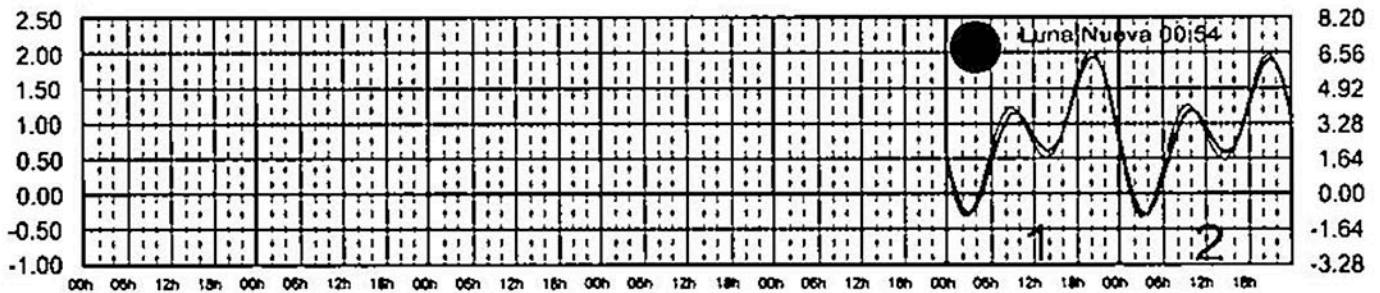
Hora del Meridiano 120°(W)

Plano de Referencia NBMI

ENSENADA, B.C.  
ISLA CEDROS, B.C.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



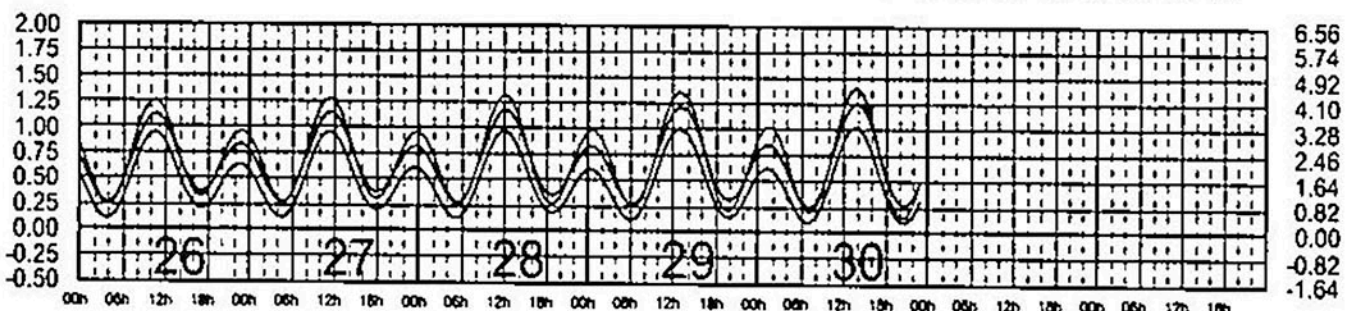
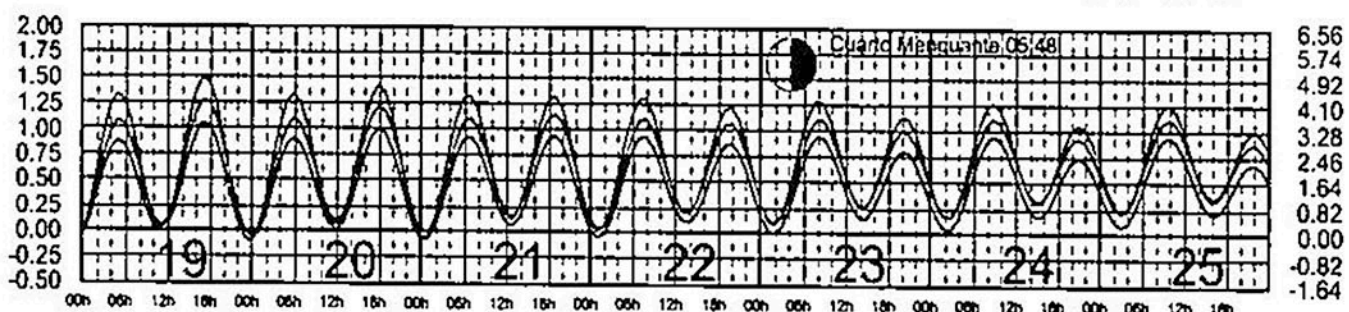
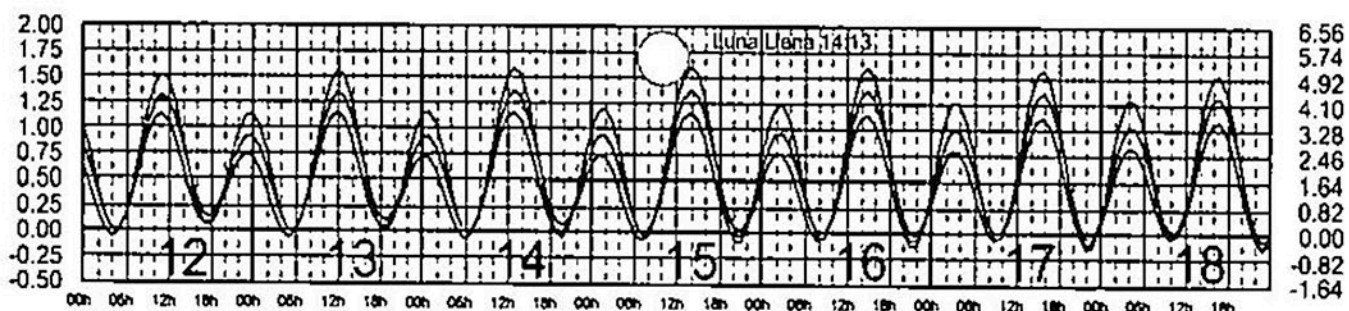
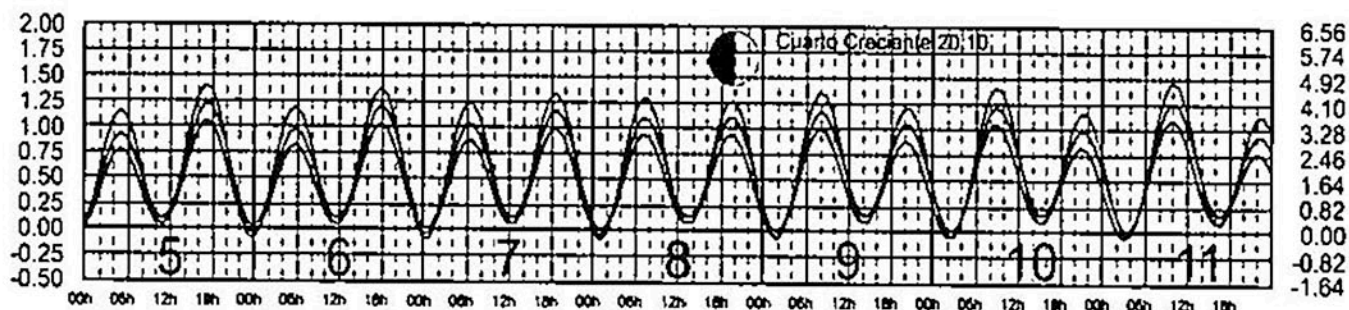
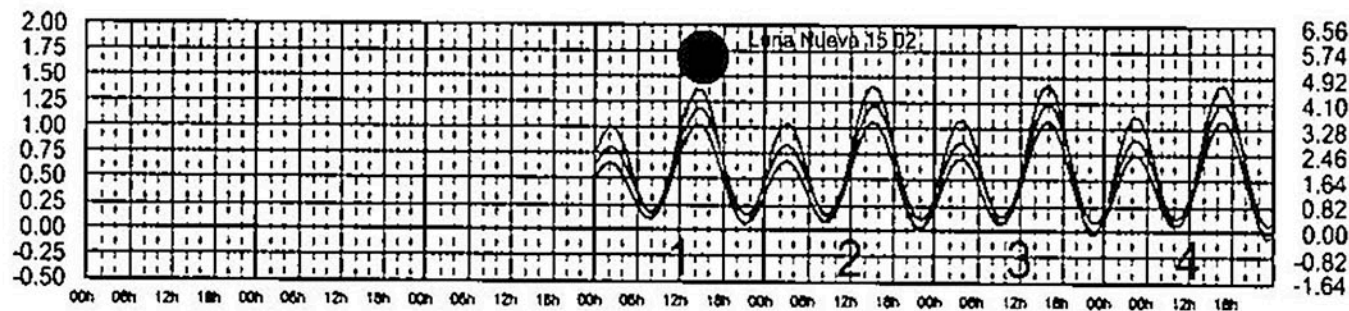


# JUNIO, 2011

Hora del Meridiano 90°(W)

Plano de Referencia NBMI STA. CRUZ HUATULCO, OAX. \_\_\_\_\_  
 SALINA CRUZ, OAX. \_\_\_\_\_  
 PTO. CHIAPAS, CHIS. \_\_\_\_\_

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



6.56  
5.74  
4.92  
4.10  
3.28  
2.46  
1.64  
0.82  
0.00  
-0.82  
-1.64

6.56  
5.74  
4.92  
4.10  
3.28  
2.46  
1.64  
0.82  
0.00  
-0.82  
-1.64

6.56  
5.74  
4.92  
4.10  
3.28  
2.46  
1.64  
0.82  
0.00  
-0.82  
-1.64

6.56  
5.74  
4.92  
4.10  
3.28  
2.46  
1.64  
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0.00  
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-1.64

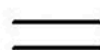
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-1.64

# AGOSTO, 2011

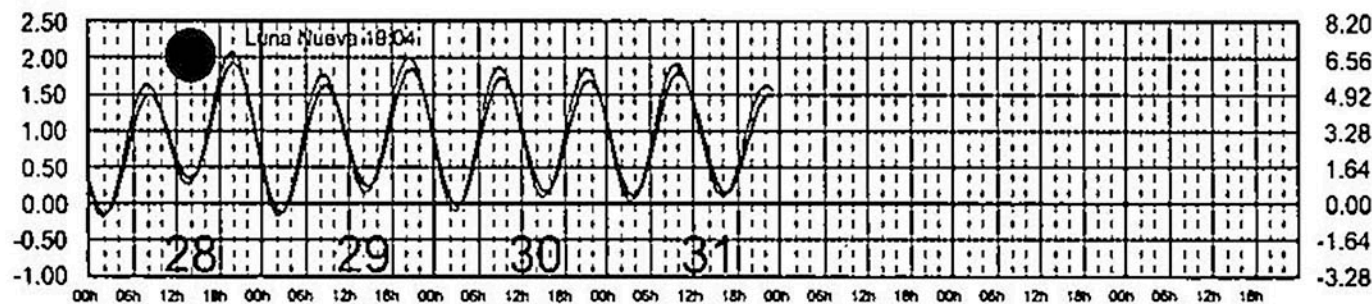
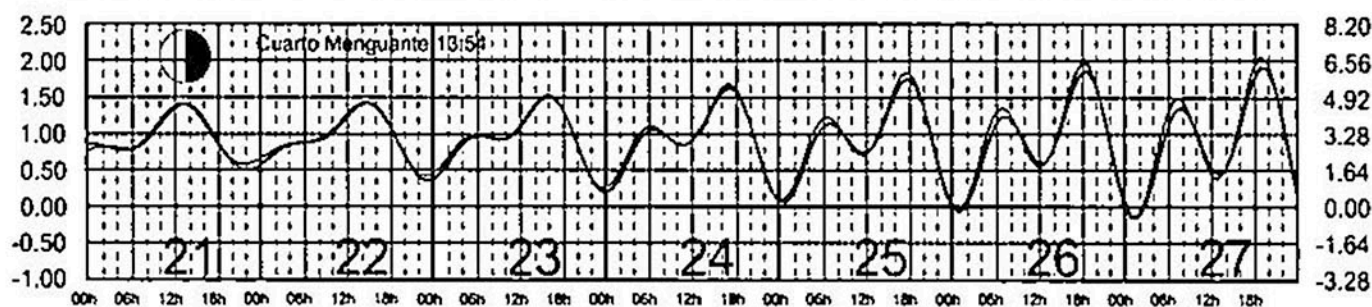
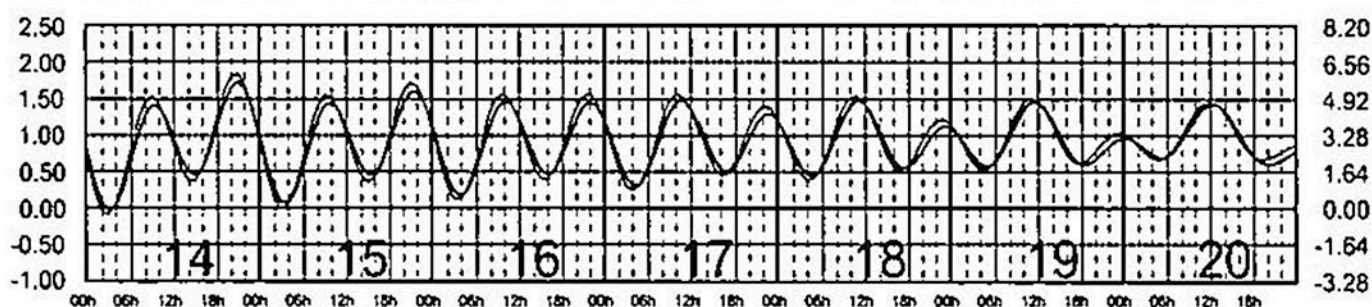
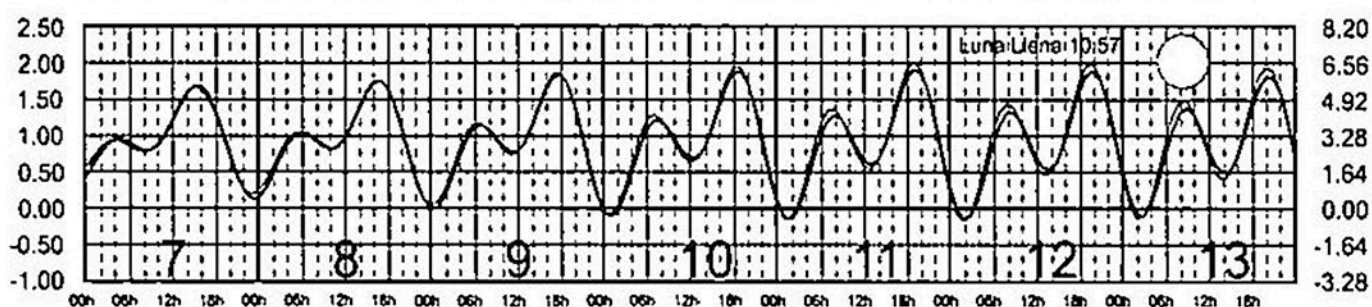
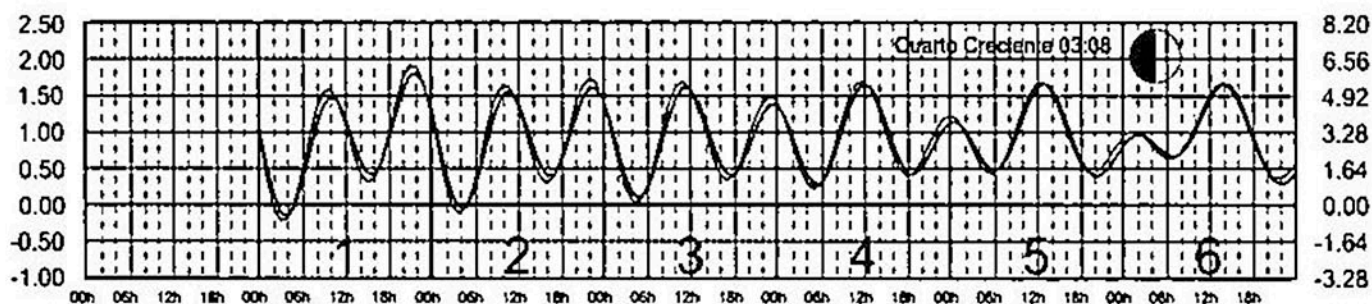
Hora del Meridiano 120°(W)

Plano de Referencia NBMI

ENSENADA, B.C.  
ISLA CEDROS, B.C.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES

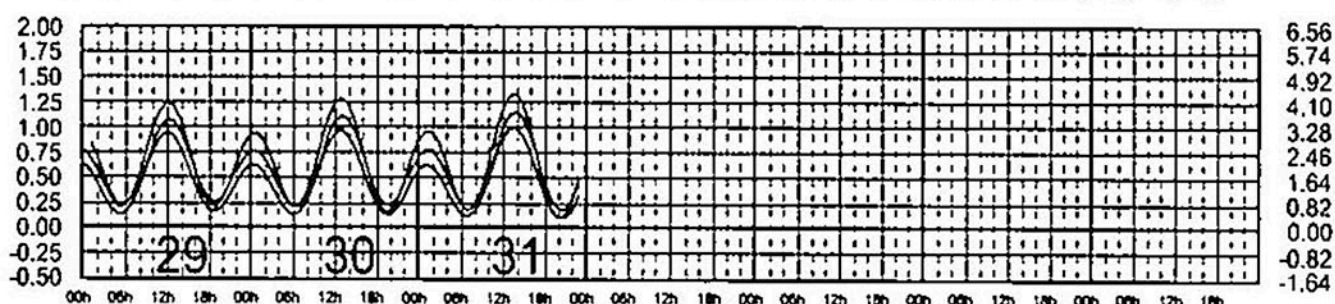
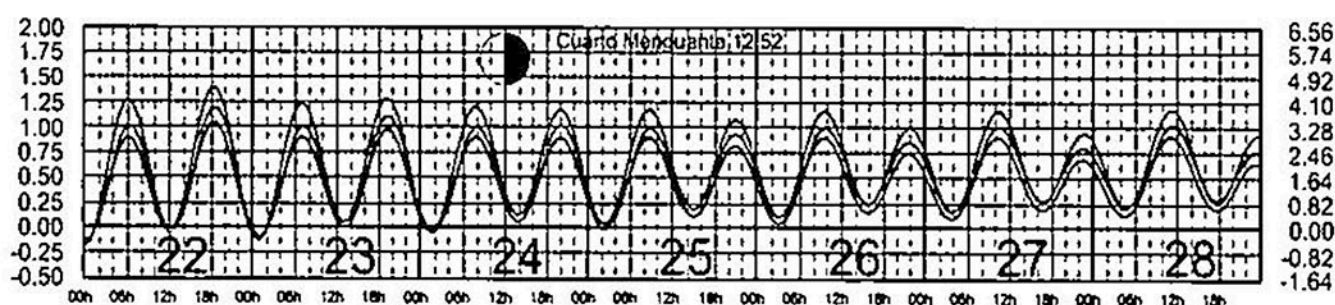
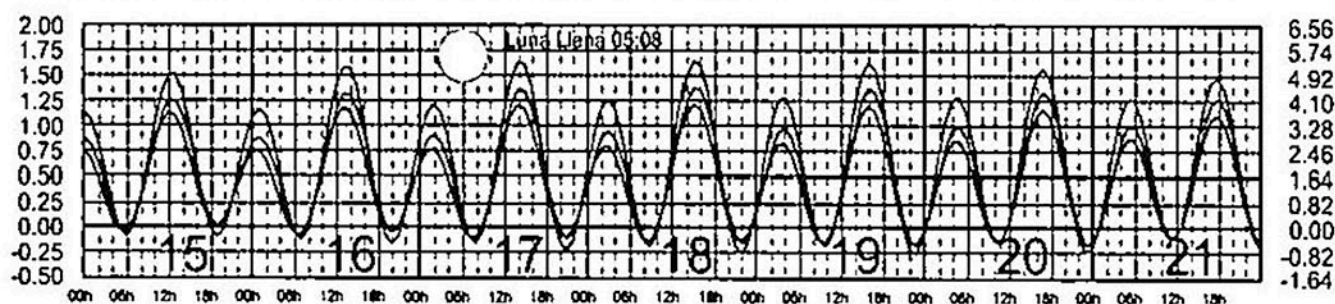
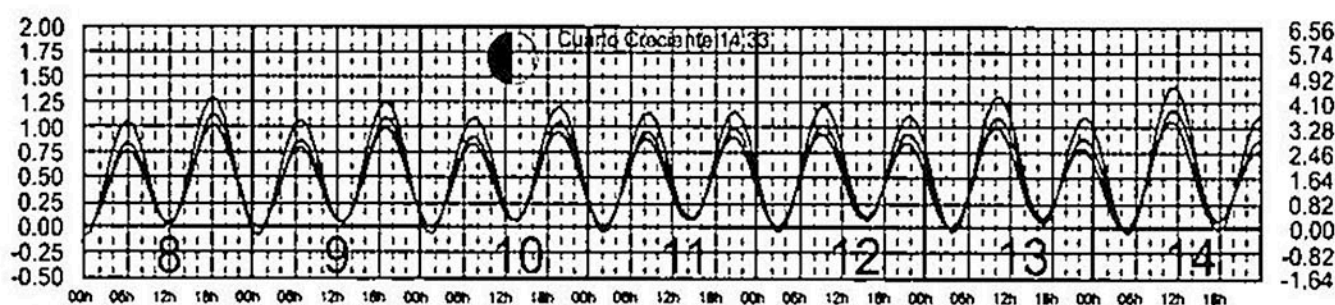
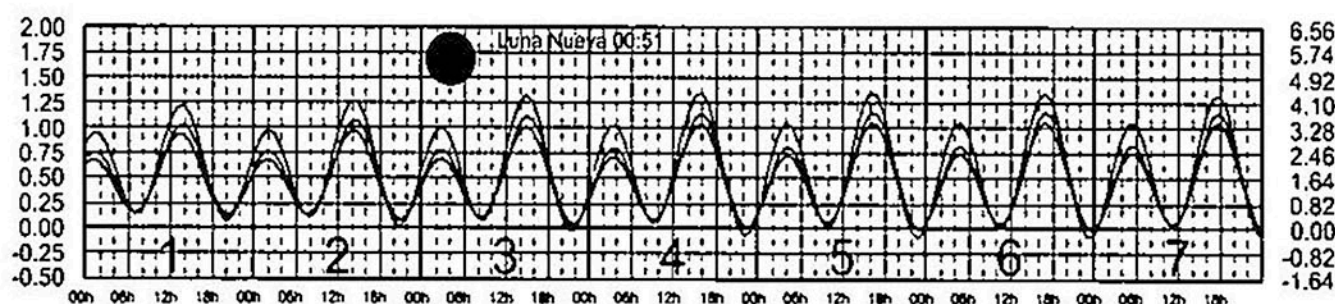


# MAYO, 2011

Hora del Meridiano 90°(W)

Plano de Referencia NBMI STA. CRUZ HUATULCO, OAX.   
 SALINA CRUZ, OAX.   
 PTO. CHIAPAS, CHIS. 

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES





# SEPTIEMBRE, 2011

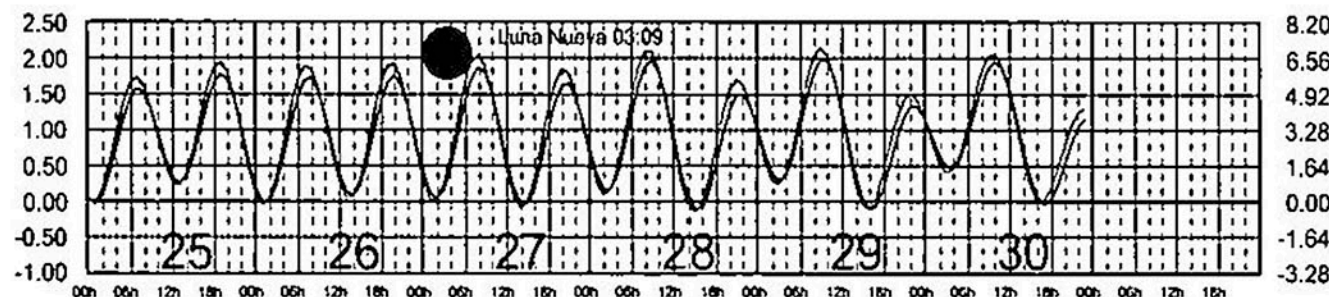
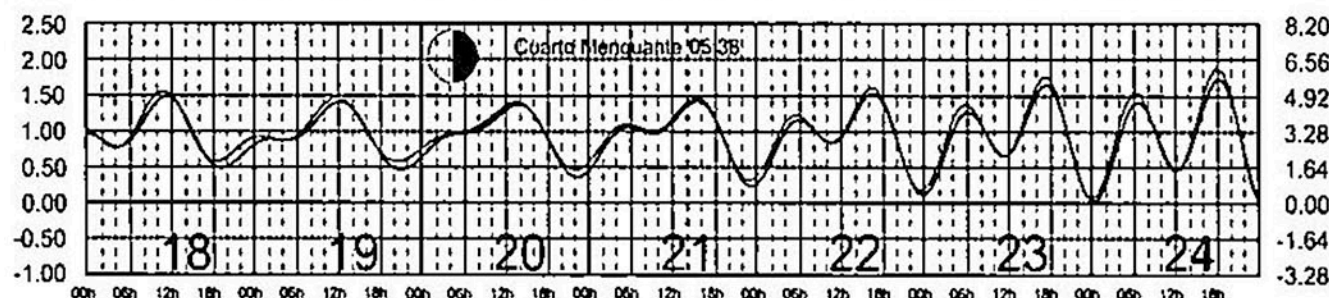
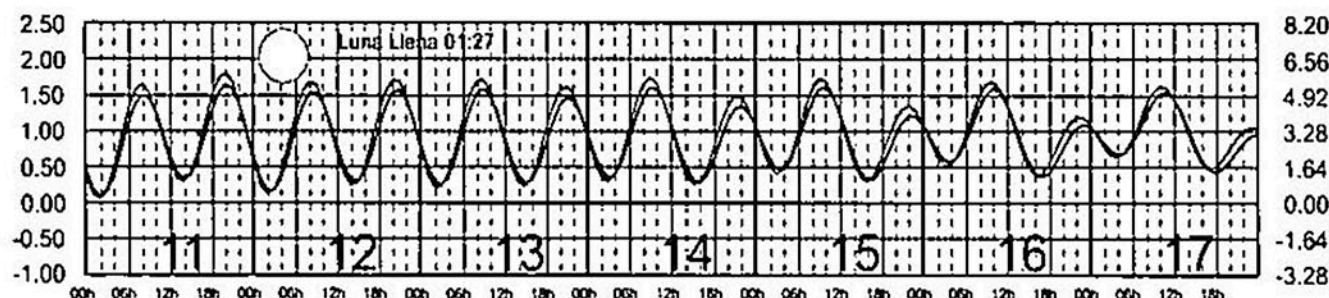
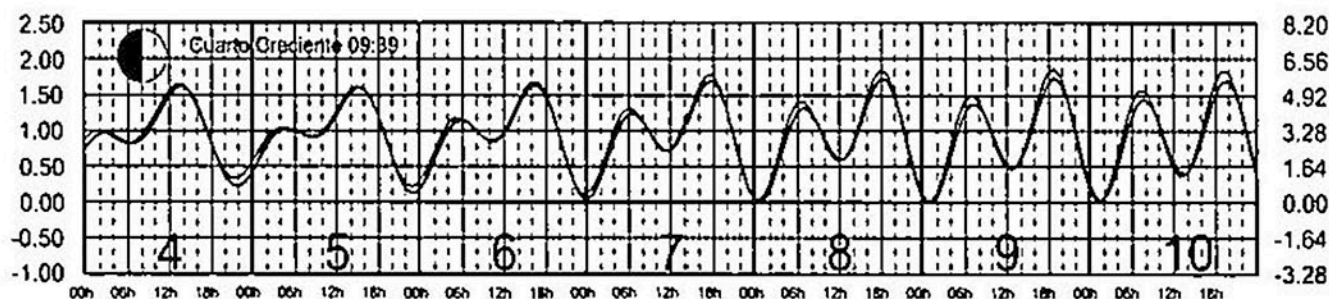
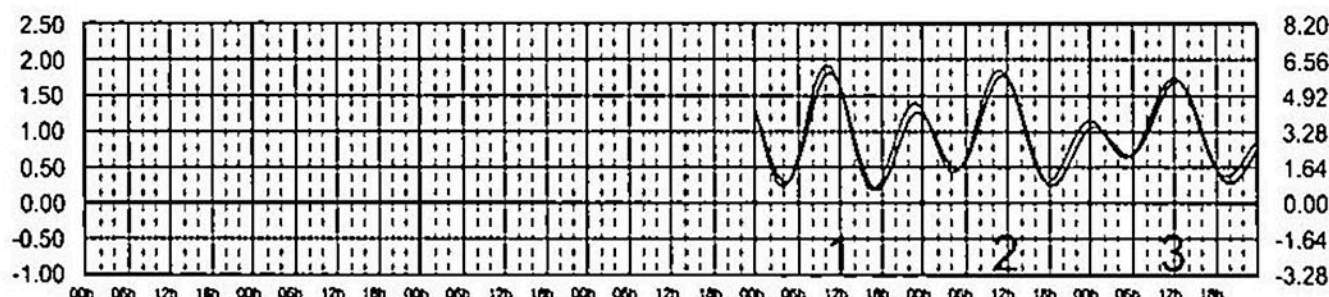
Hora del Meridiano 120°(W)

Plano de Referencia NBM1

ENSENADA, B.C.  
ISLA CEDROS, B.C



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES

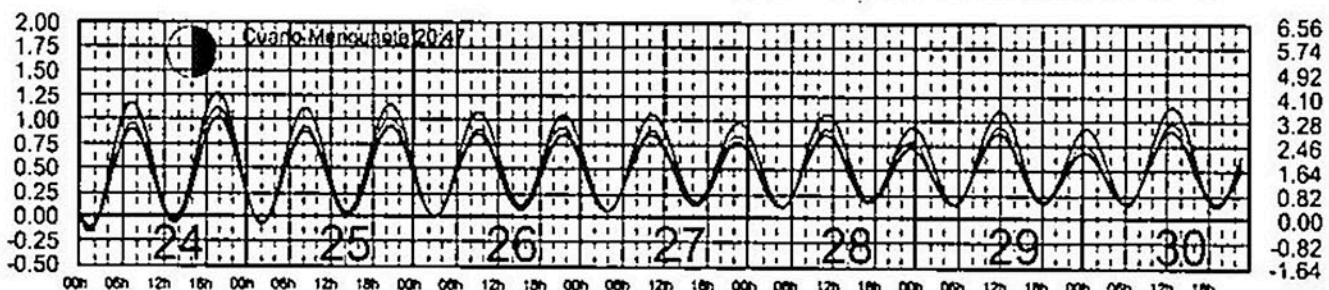
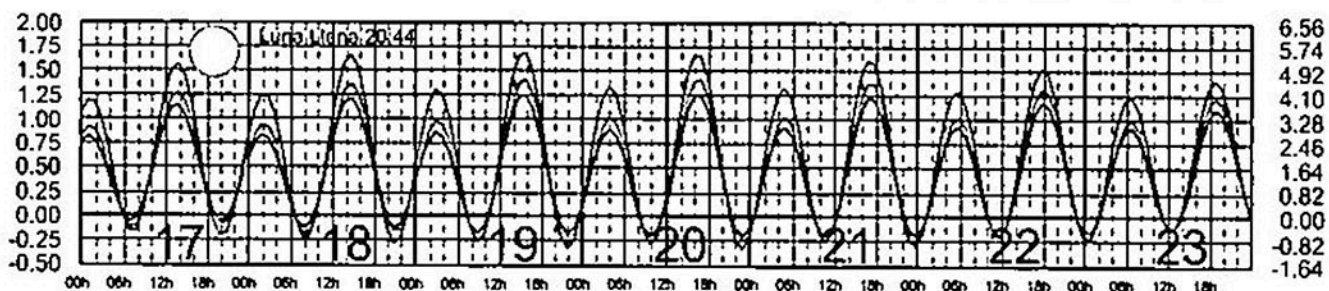
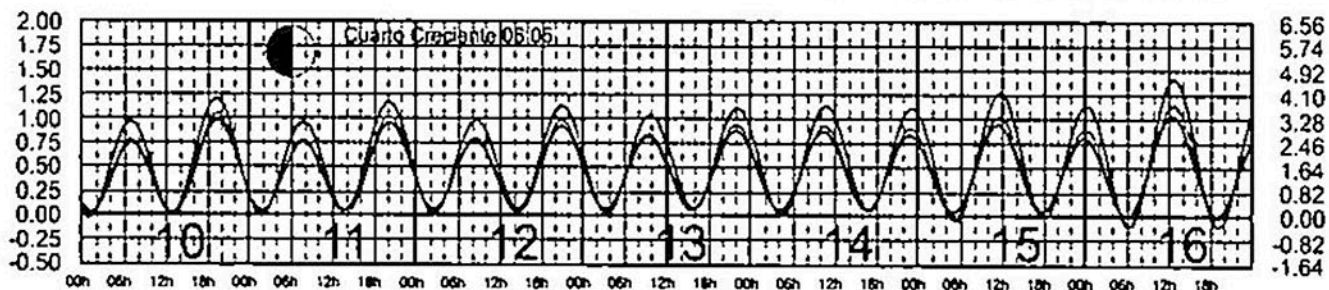
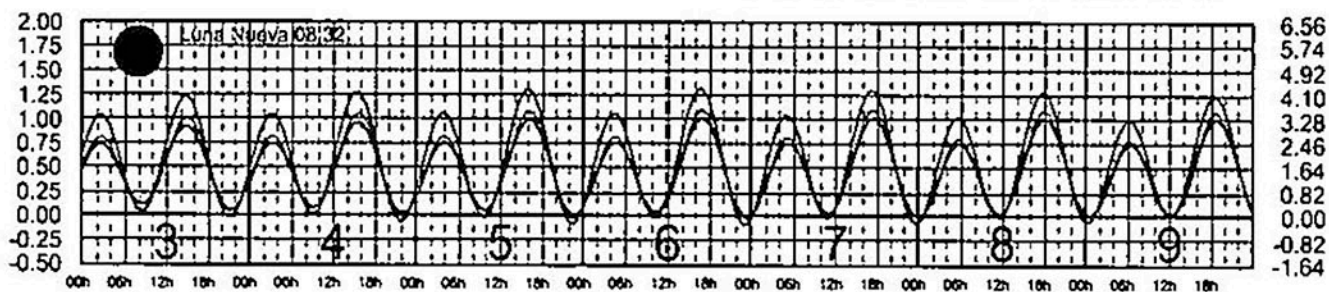
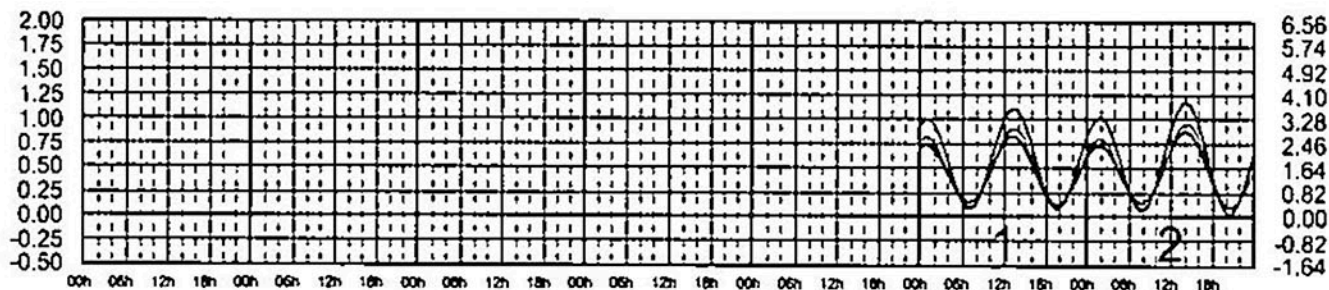


# ABRIL, 2011

Hora del Meridiano 90°(W)

Plano de Referencia NBMI STA. CRUZ HUATULCO, OAX. ———  
 SALINA CRUZ, OAX. = = = = =  
 PTO. CHIAPAS, CHIS. ———

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



# OCTUBRE, 2011

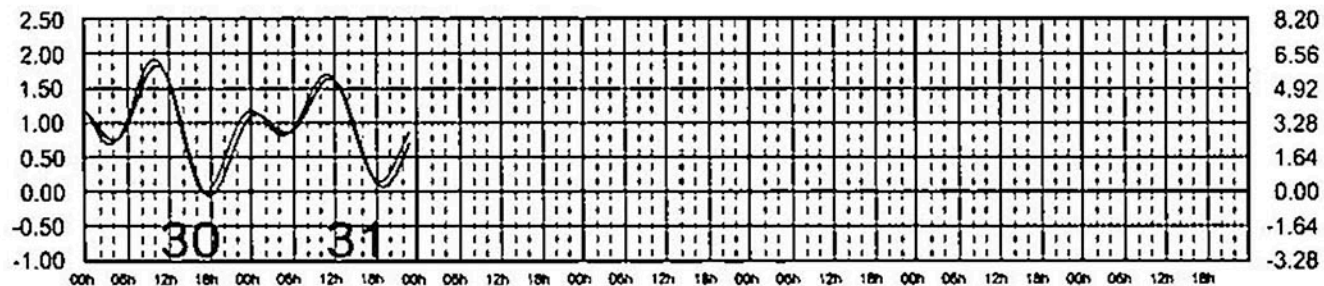
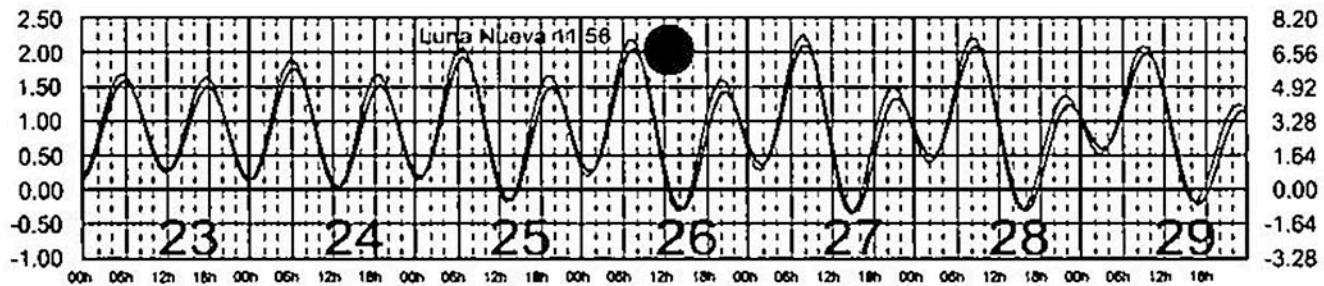
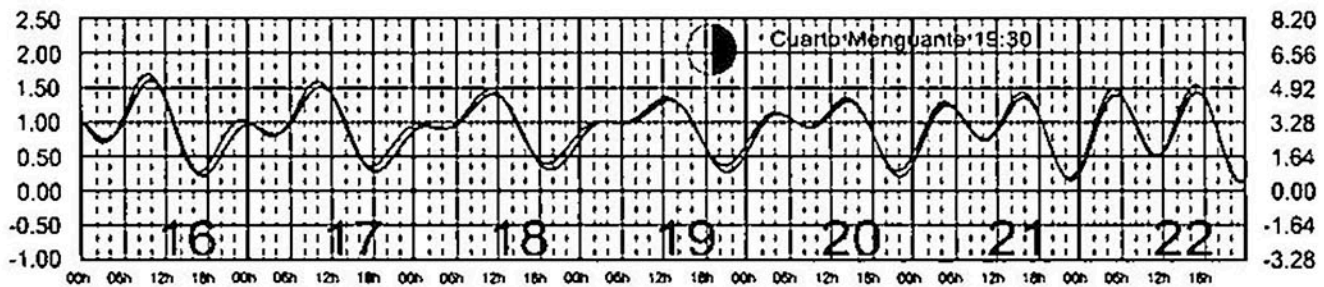
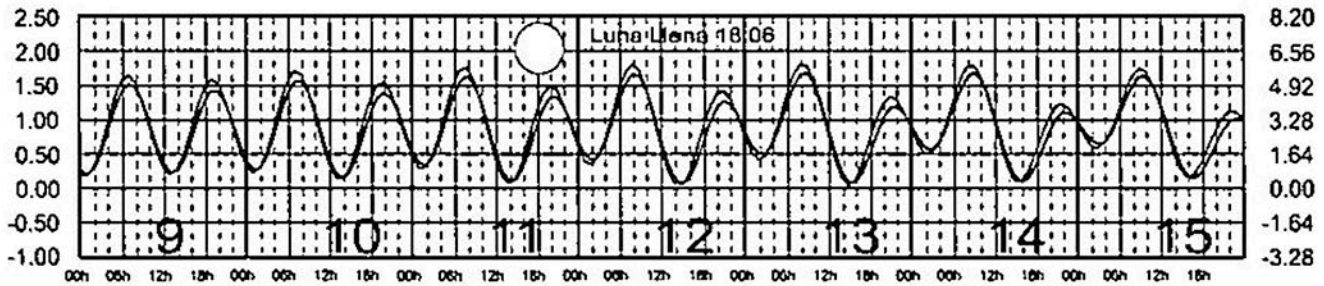
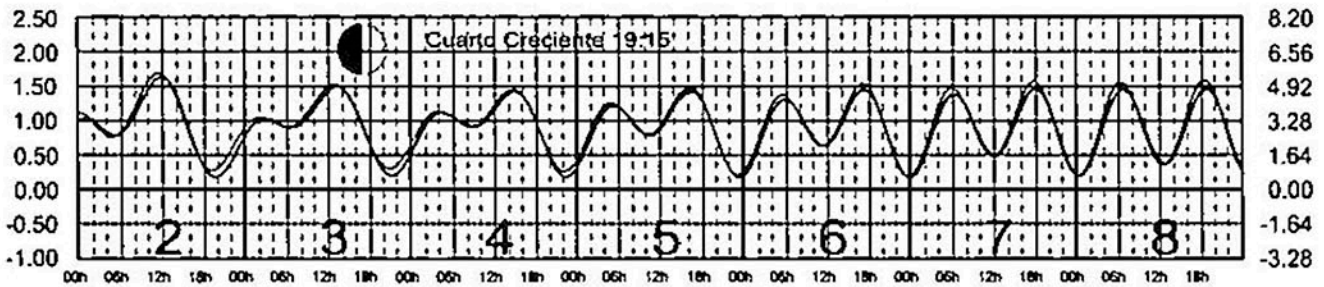
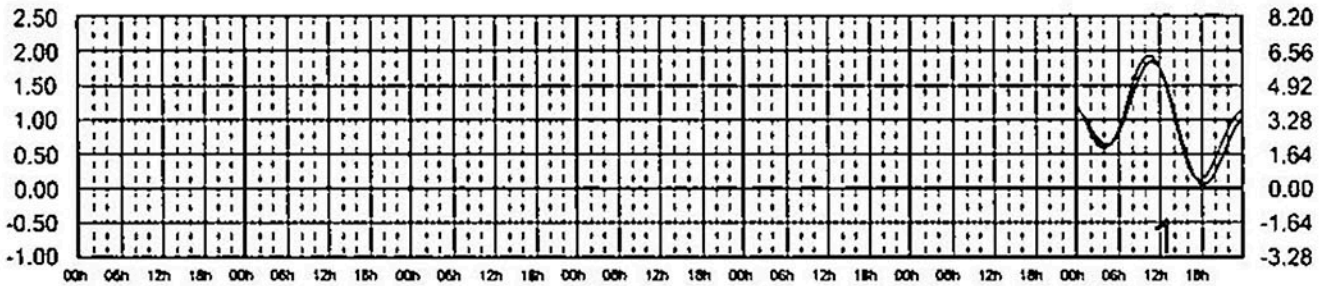
Hora del Meridiano 120°(W)

Plano de Referencia NBMI

ENSENADA, B.C.  
ISLA CEDROS, B.C.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



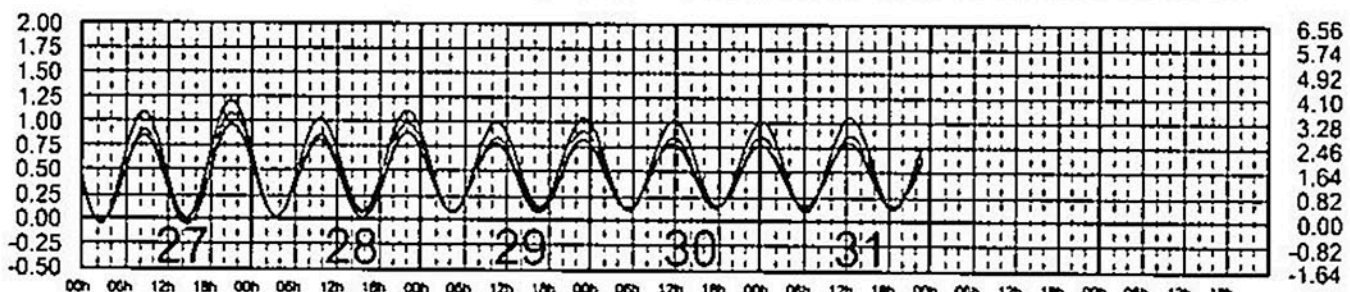
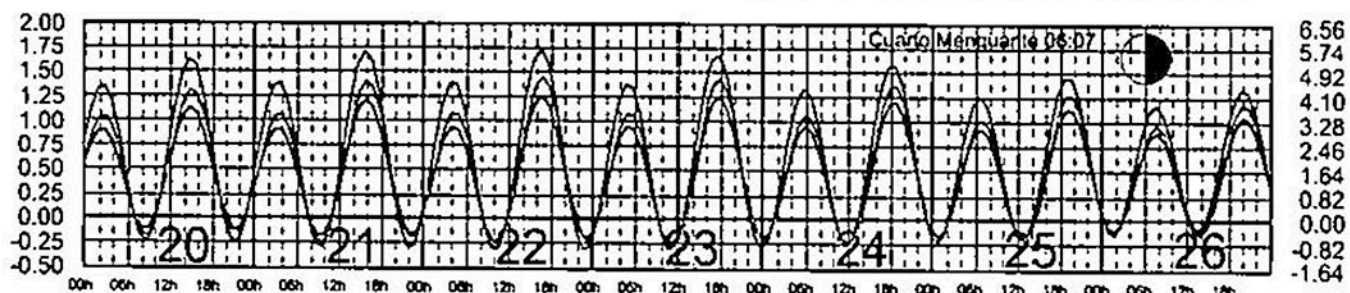
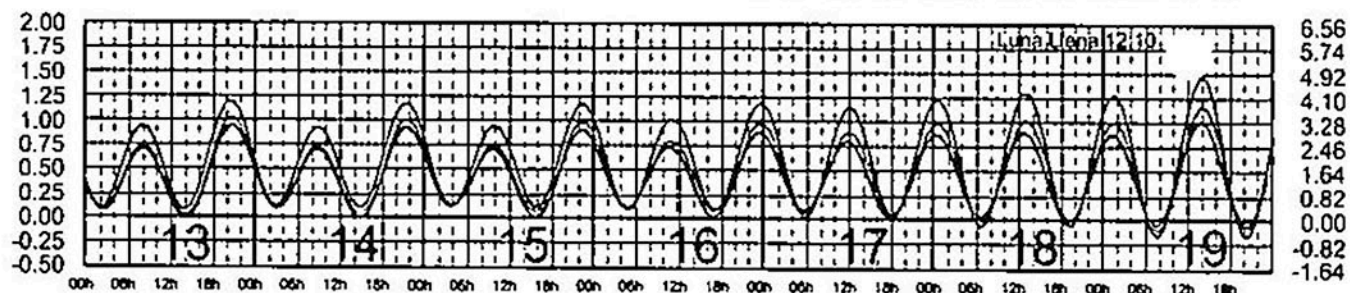
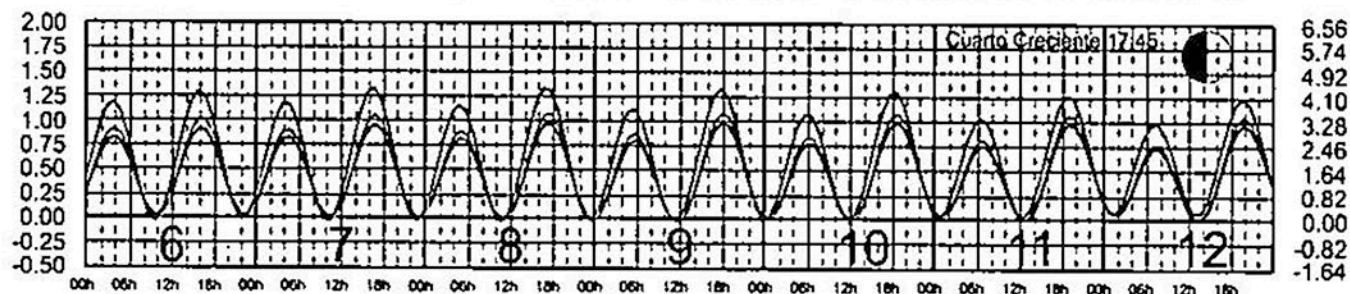
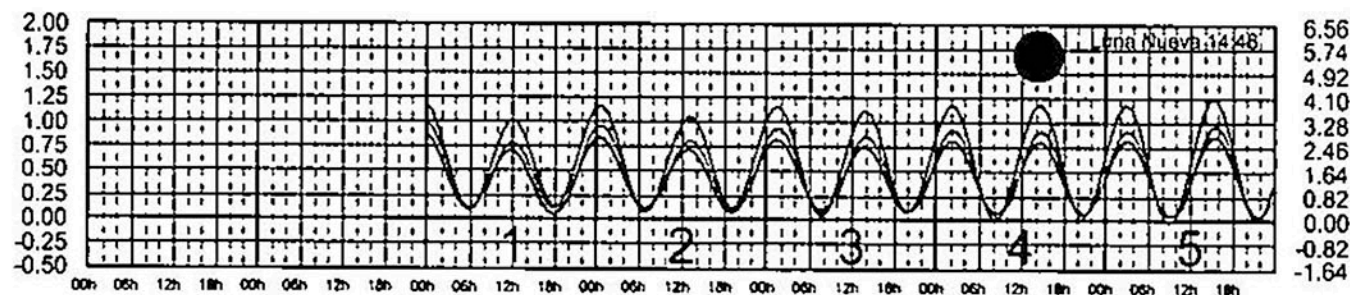


# MARZO, 2011

Hora del Meridiano 90°(W)

Plano de Referencia NBMI STA. CRUZ HUATULCO, OAX. ———  
 SALINA CRUZ, OAX. ———  
 PTO. CHIAPAS, CHIS. ———

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



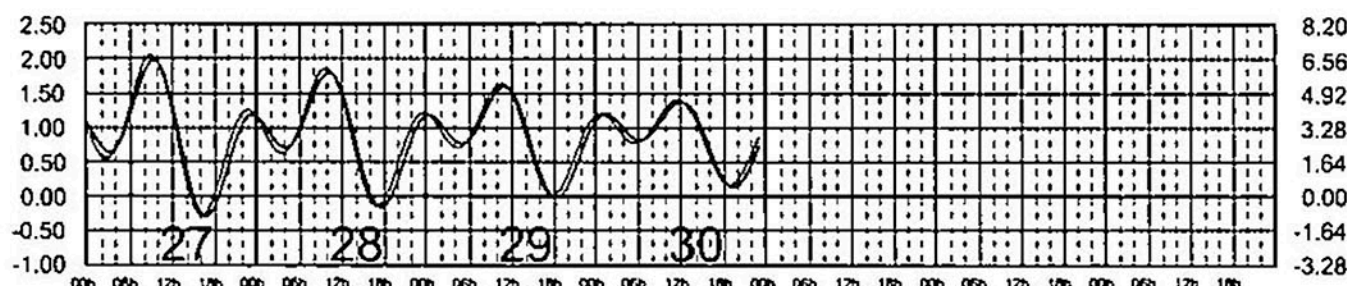
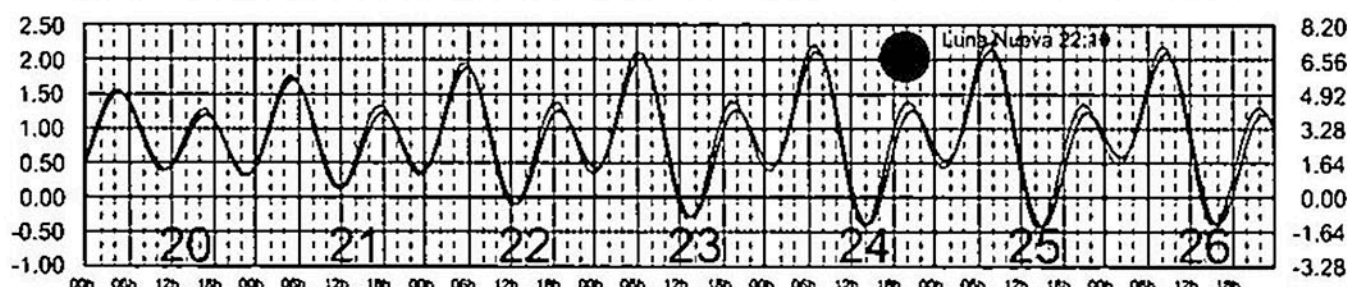
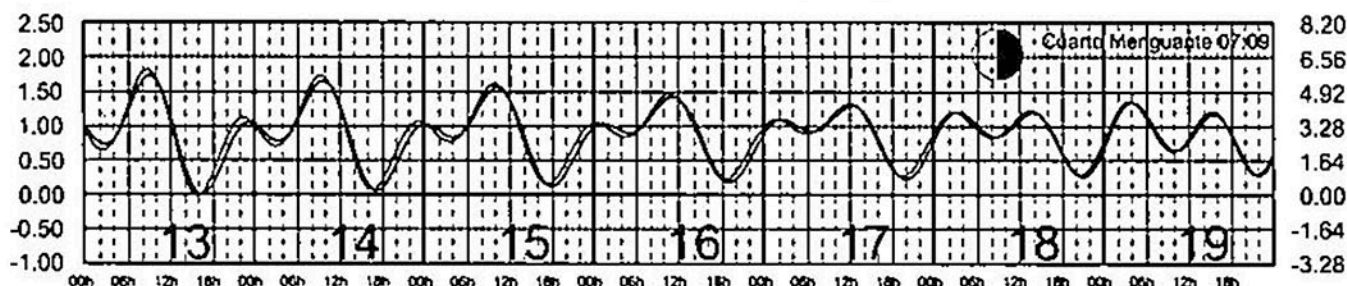
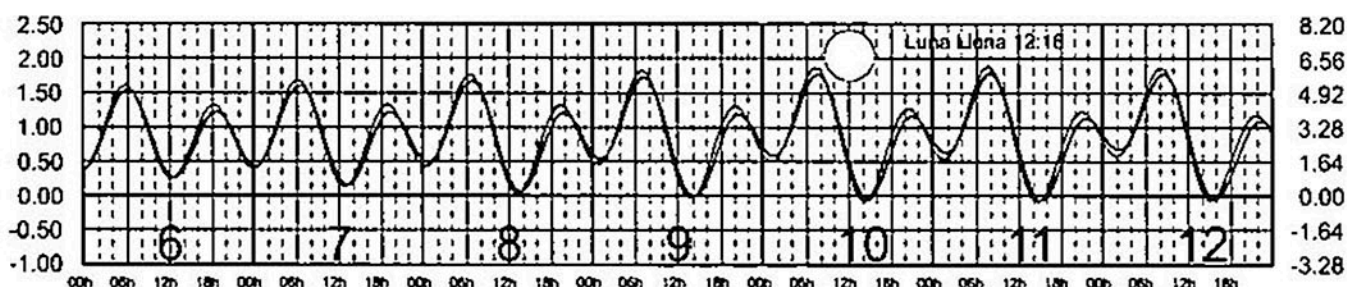
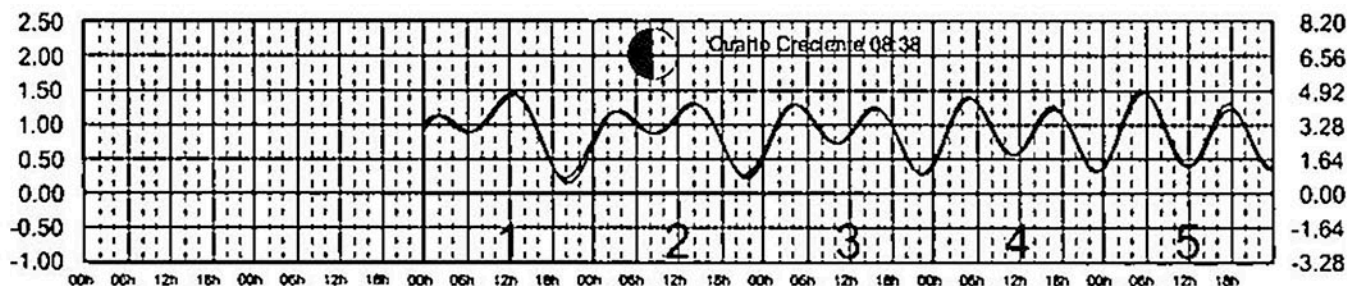
# NOVIEMBRE, 2011

Hora del Meridiano 120°(W)

Plano de Referencia NBMI

ENSENADA, B.C.  
ISLA CEDROS, B.C.

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



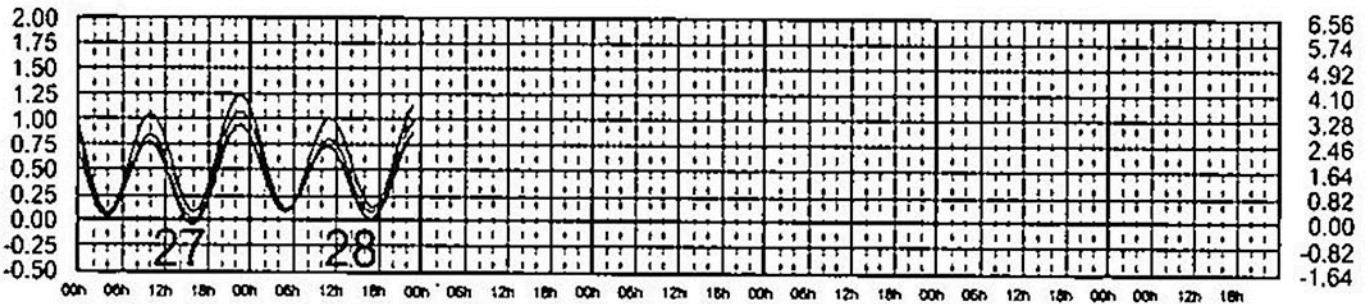
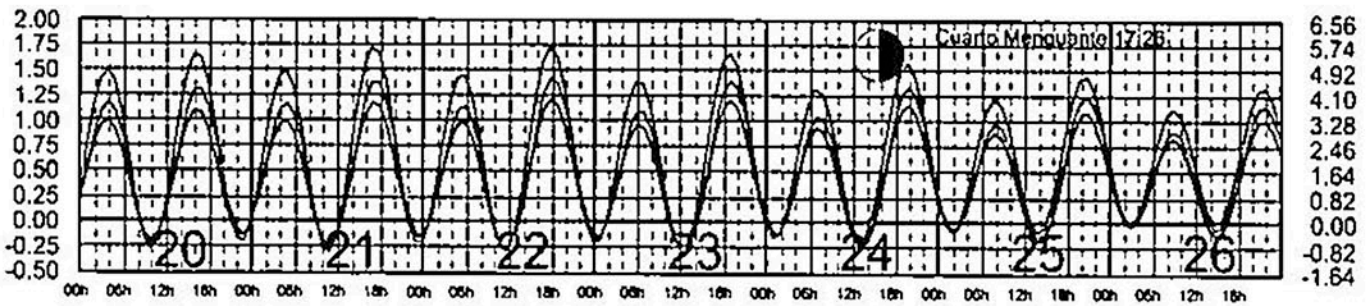
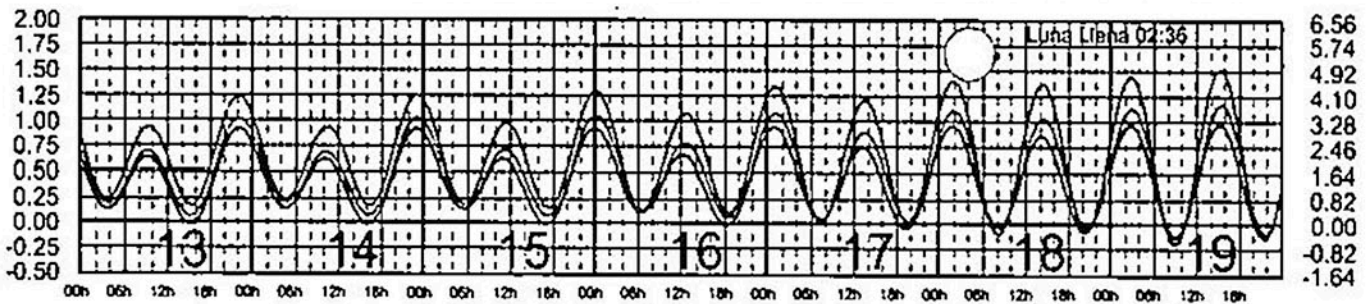
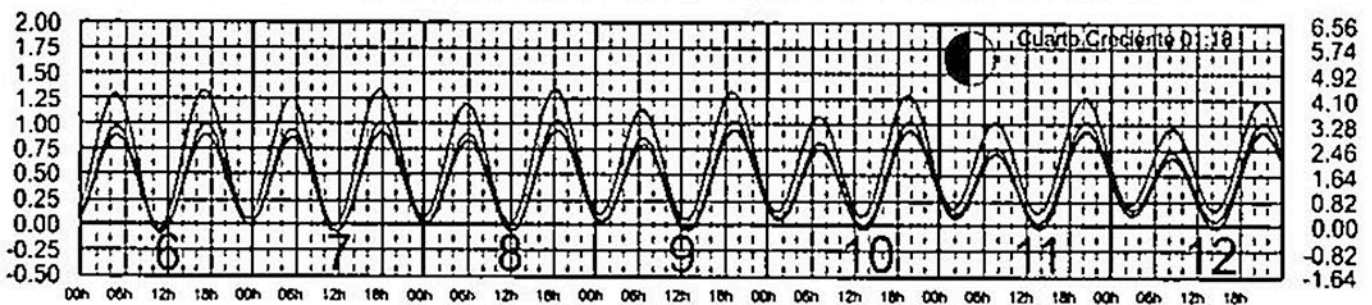
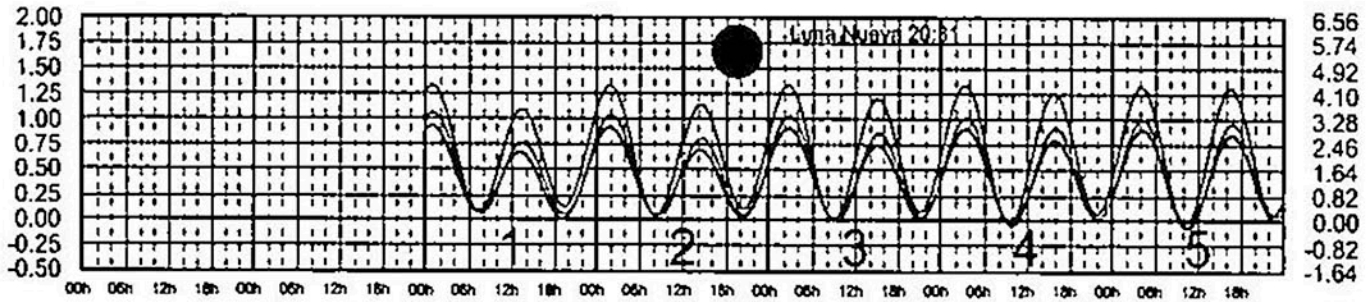
SECRETARIA DE MARIS  
OFICINA DE HISTORIA  
Y CULTURA MARITIMA  
BIBLIOTECA CENTRAL

# FEBRERO, 2011

Hora del Meridiano 90°(W)

Plano de Referencia NBMI STA. CRUZ HUATULCO, OAX. \_\_\_\_\_  
 SALINA CRUZ, OAX. \_\_\_\_\_  
 PTO. CHIAPAS, CHIS. \_\_\_\_\_

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES





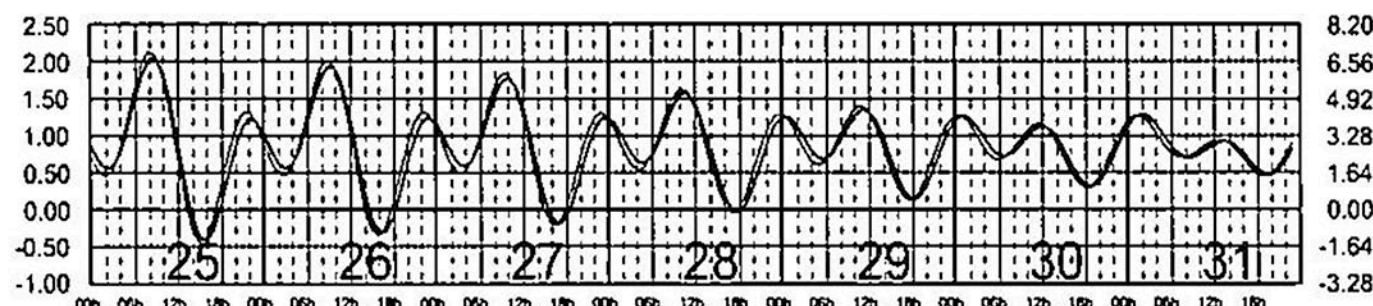
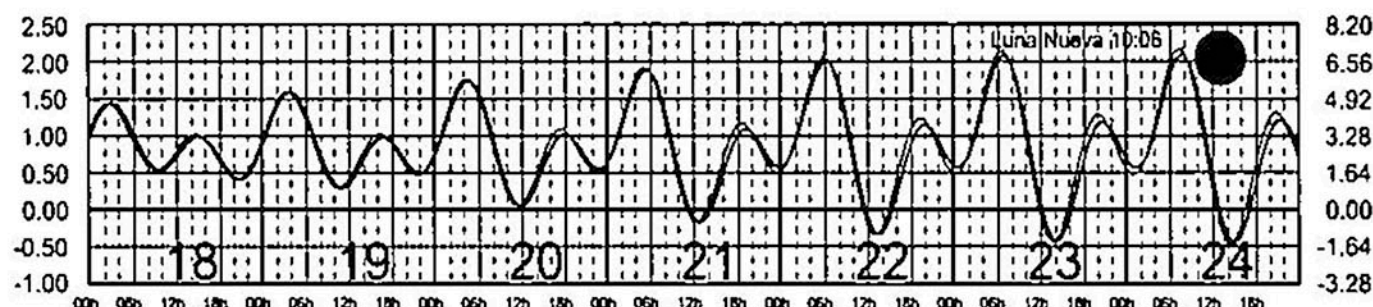
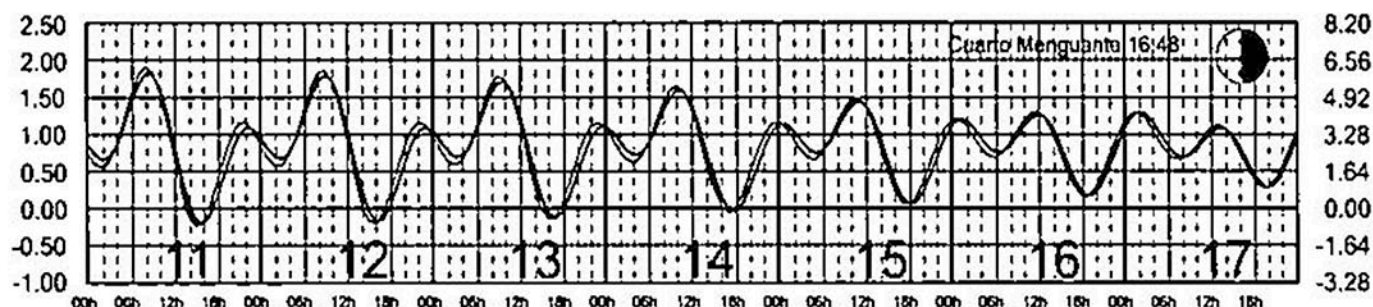
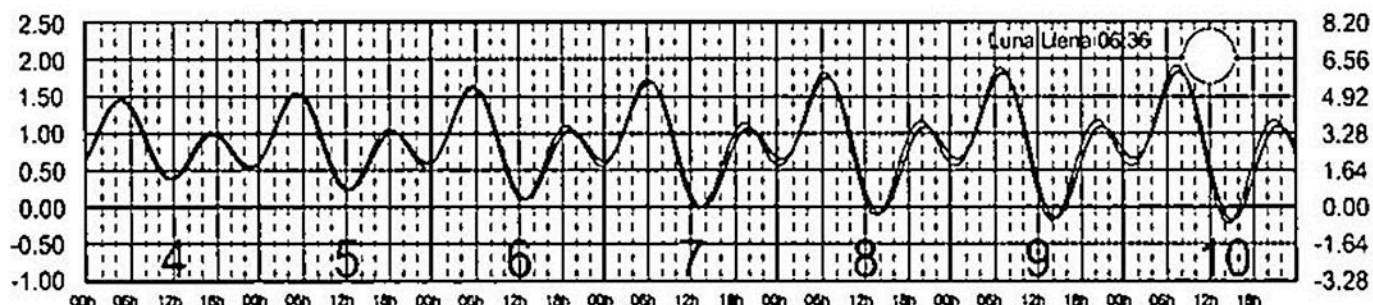
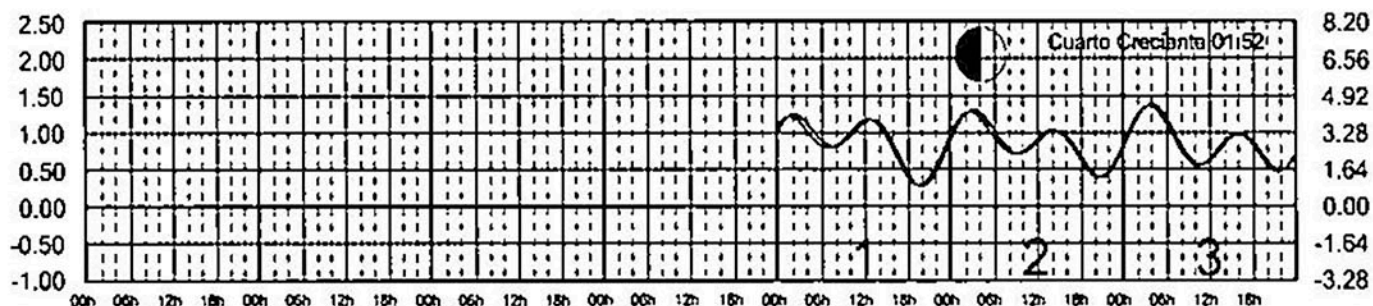
# DICIEMBRE, 2011

Hora del Meridiano 120°(W)

Plano de Referencia NBMI

ENSENADA, B.C.  
ISLA CEDROS, B.C.

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES

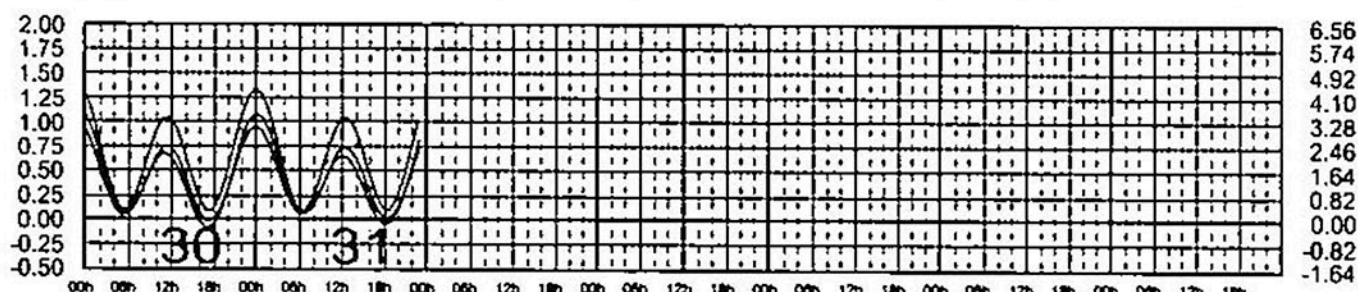
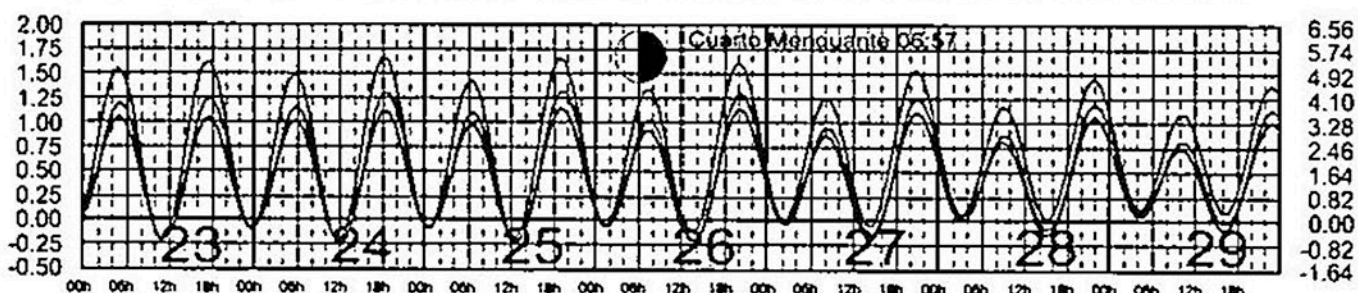
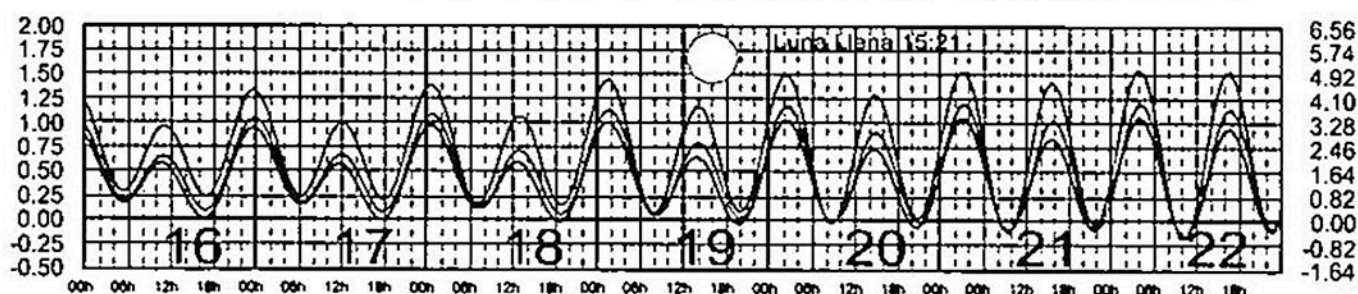
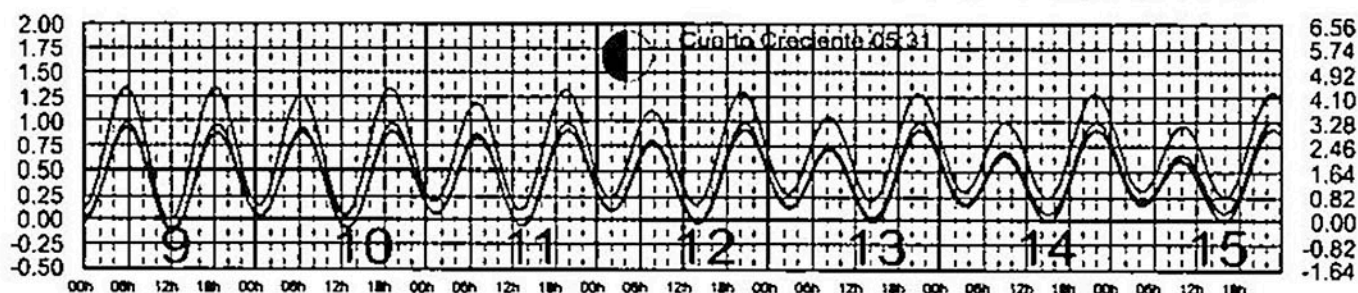
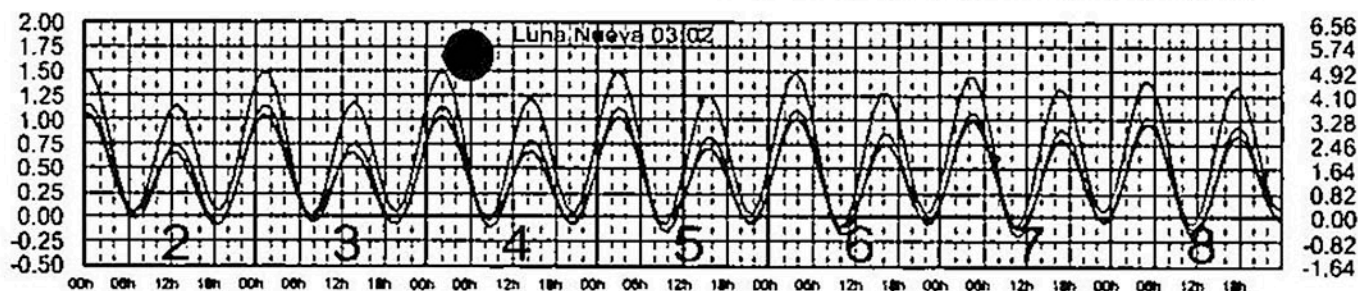
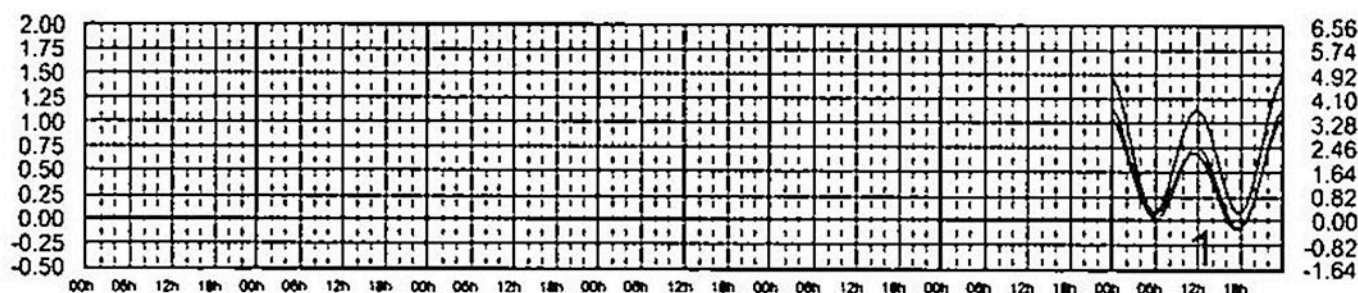


# ENERO, 2011

Hora del Meridiano 90°(W)

Plano de Referencia NBMI STA. CRUZ HUATULCO, OAX. ———  
 SALINA CRUZ, OAX. ———  
 PTO. CHIAPAS, CHIS. ———

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES





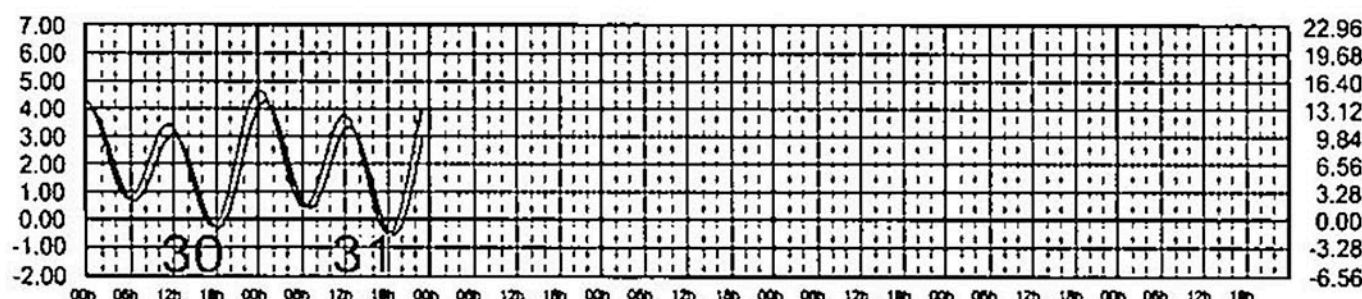
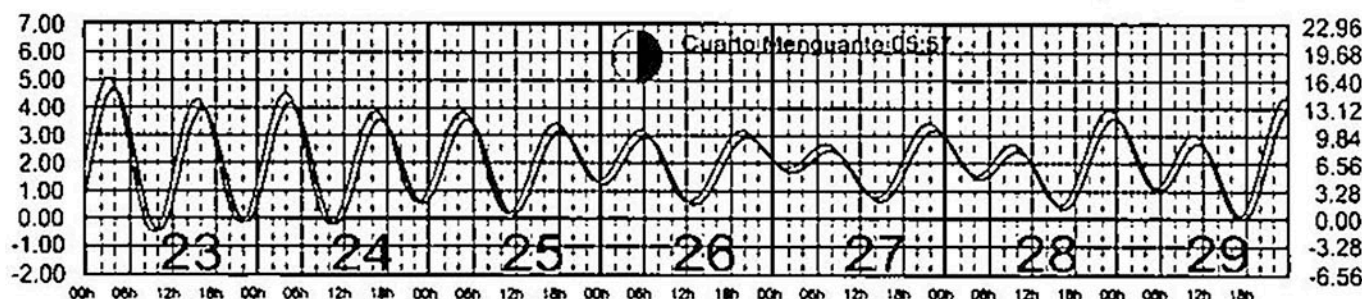
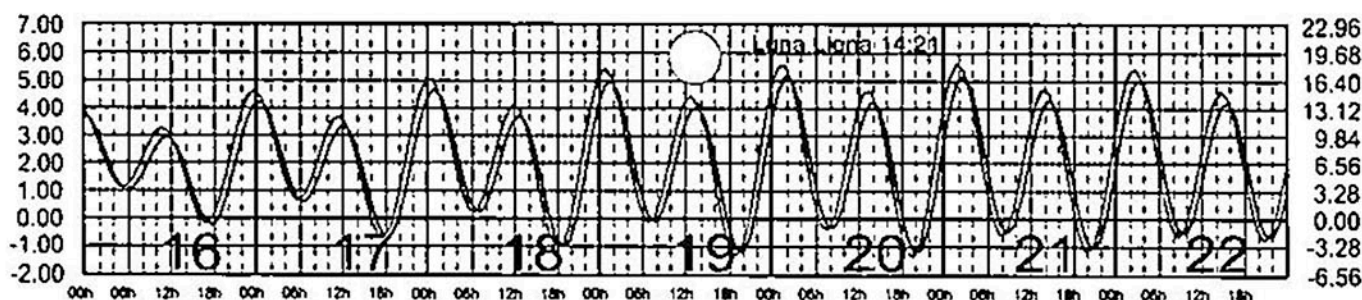
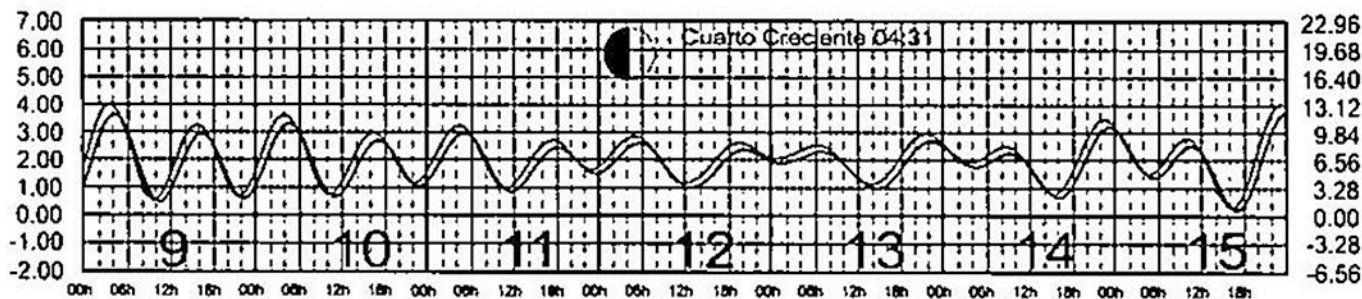
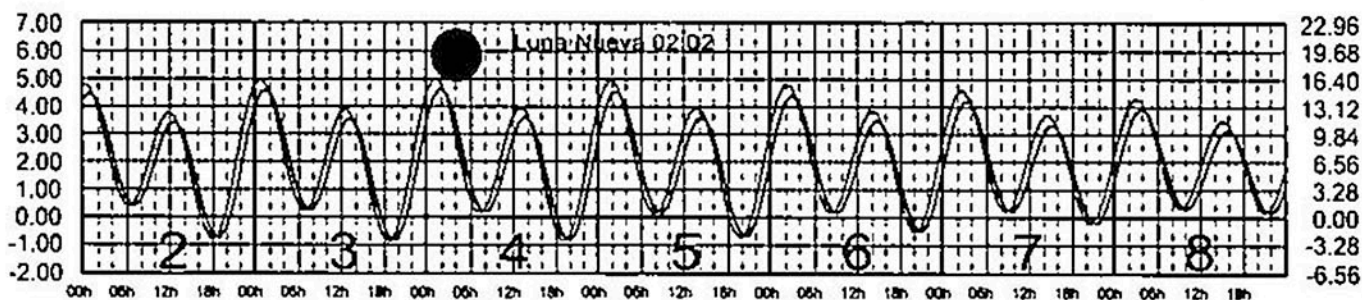
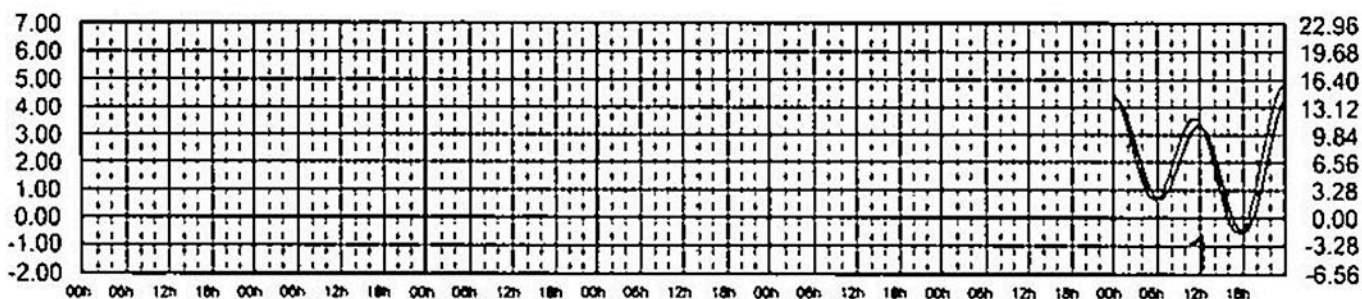
# ENERO, 2011

Hora del Meridiano 105°(W)  
 Hora del Meridiano 120°(W)

Plano de Referencia NBMI

PTO. PEÑASCO, SON.  
 SAN FELIPE, B.C.

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



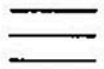


# DICIEMBRE, 2011

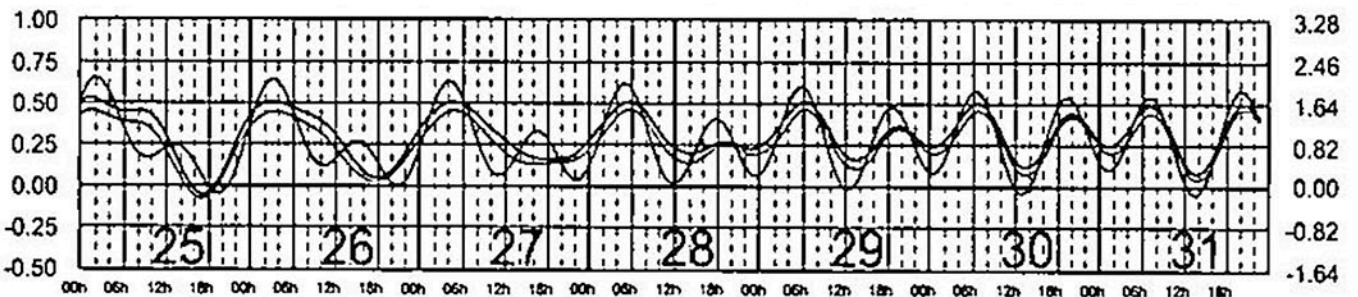
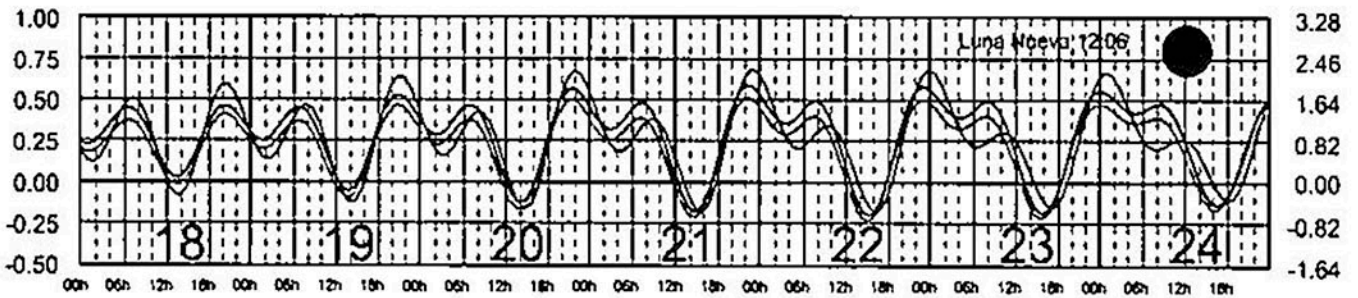
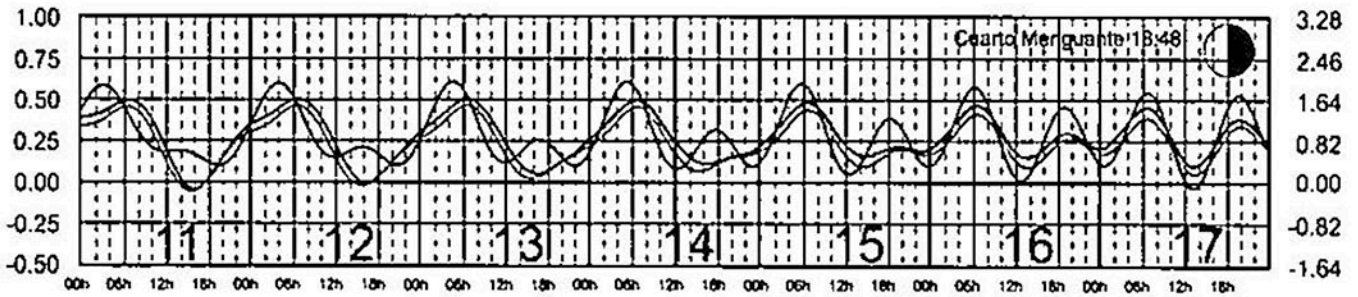
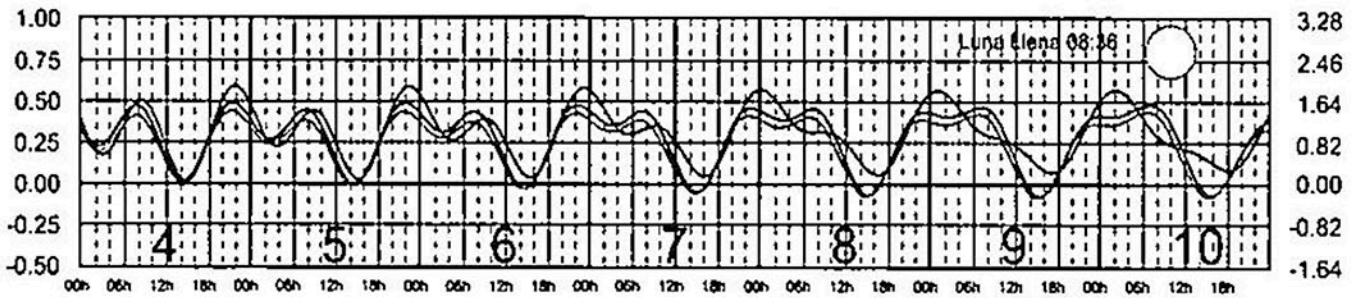
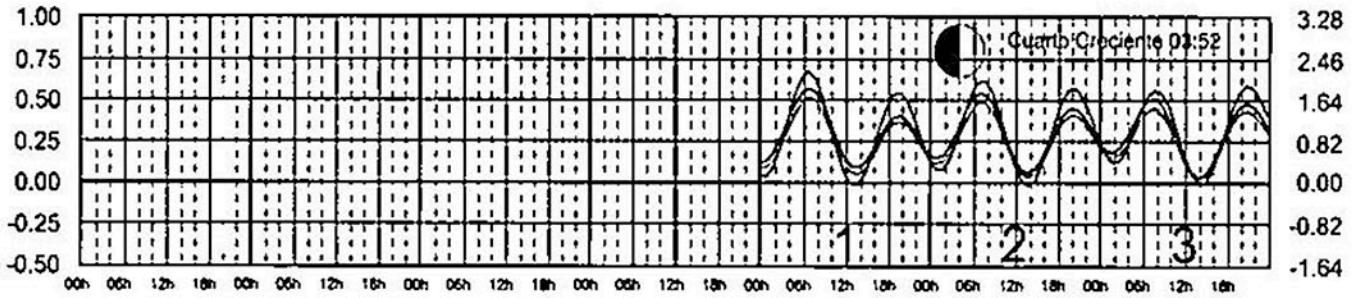
Hora del Meridiano 90°(W)

Plano de Referencia NBM1

L. CÁRDENAS, MICH.  
ZIHUATANEJO, GRO.  
ACAPULCO, GRO.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



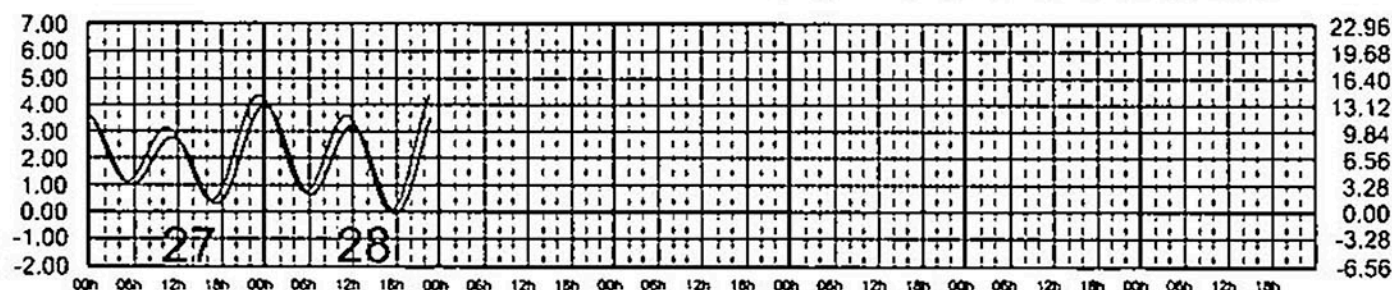
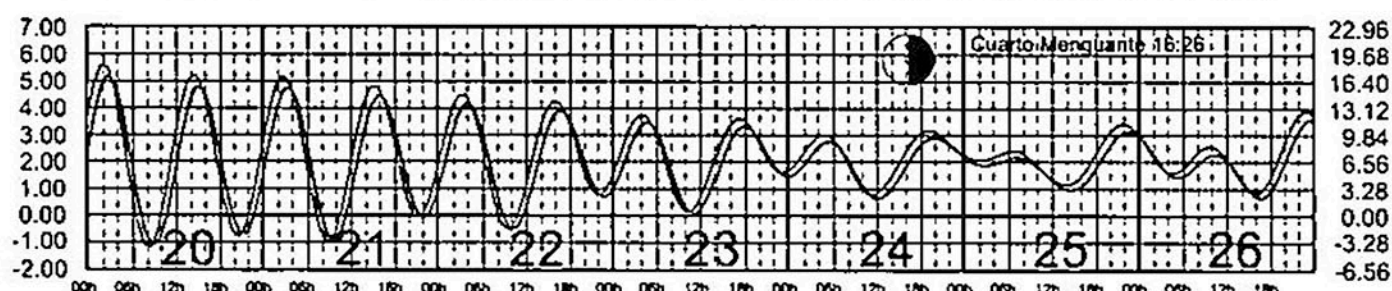
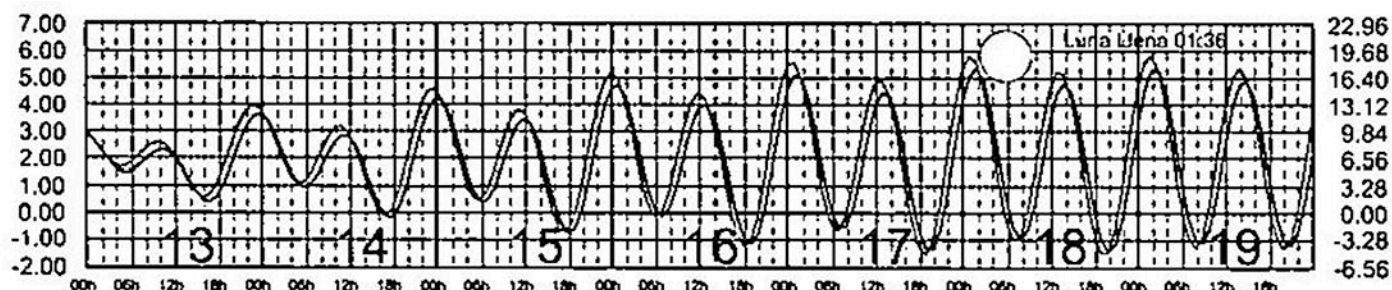
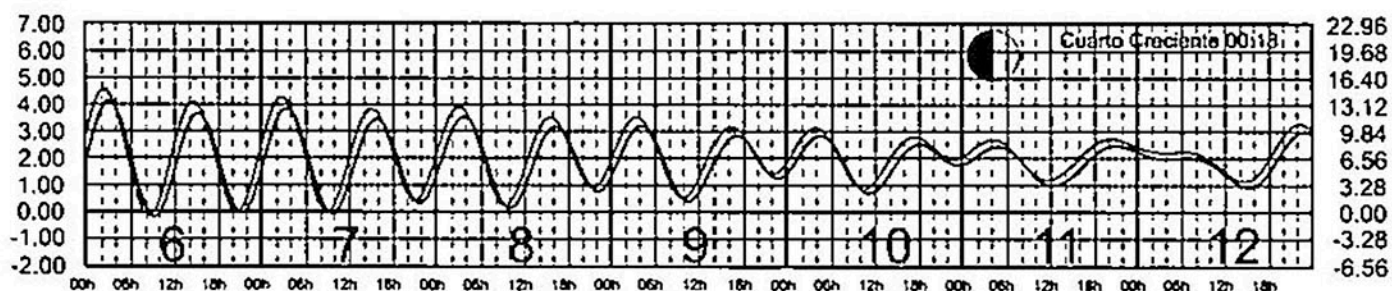
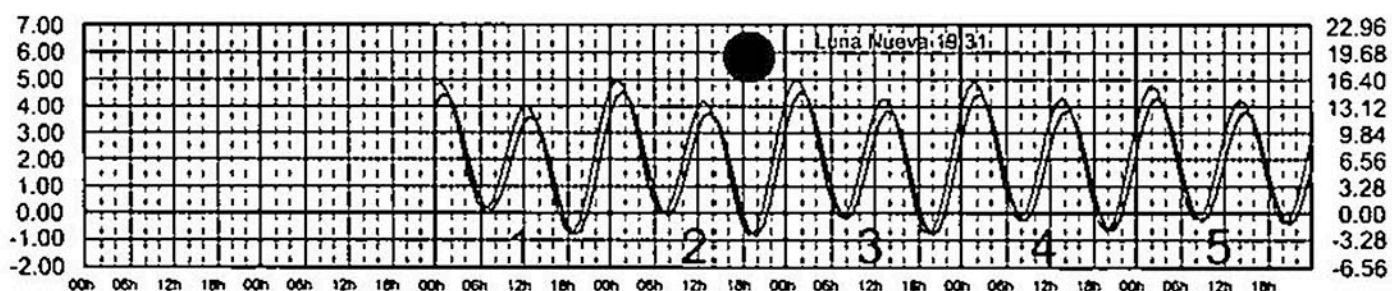
# FEBRERO, 2011

Hora del Meridiano 105°(W)  
 Hora del Meridiano 120°(W)

Plano de Referencia NBMI

PTO. PEÑASCO, SON.  
 SAN FELIPE, B.C.

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



SECRETARÍA DE MARINA  
 UNIDAD DE HISTORIA  
 Y CULTURA NAVAL  
 BIBLIOTECA CENTRAL

# NOVIEMBRE, 2011

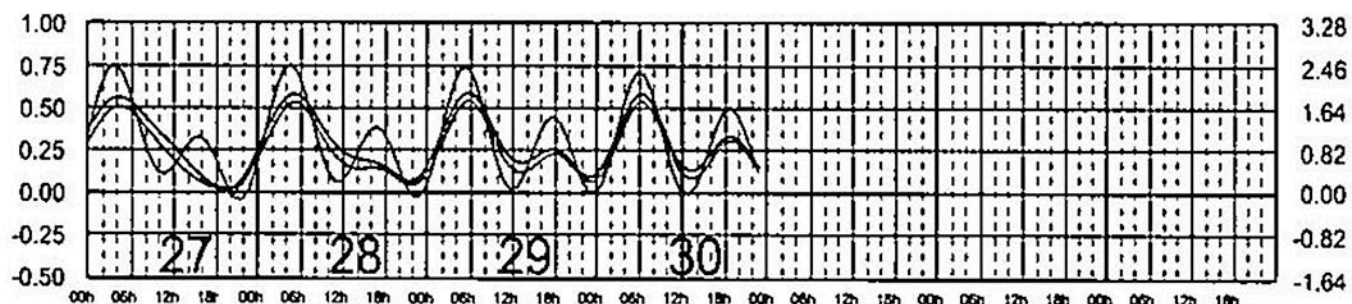
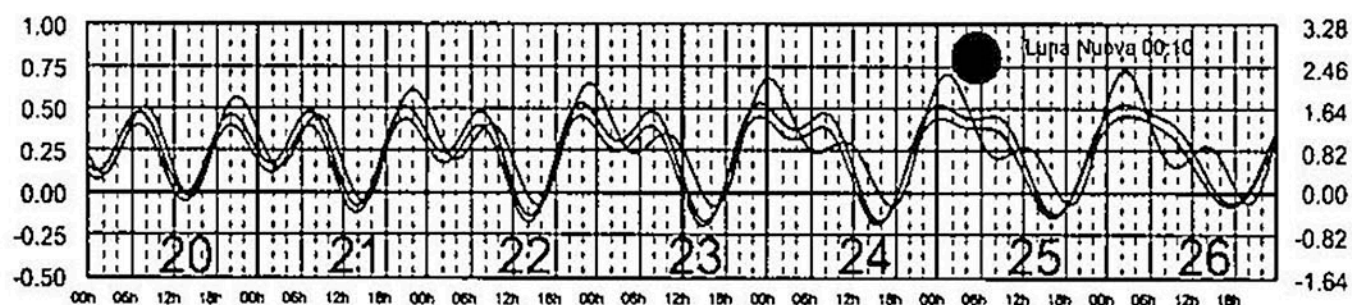
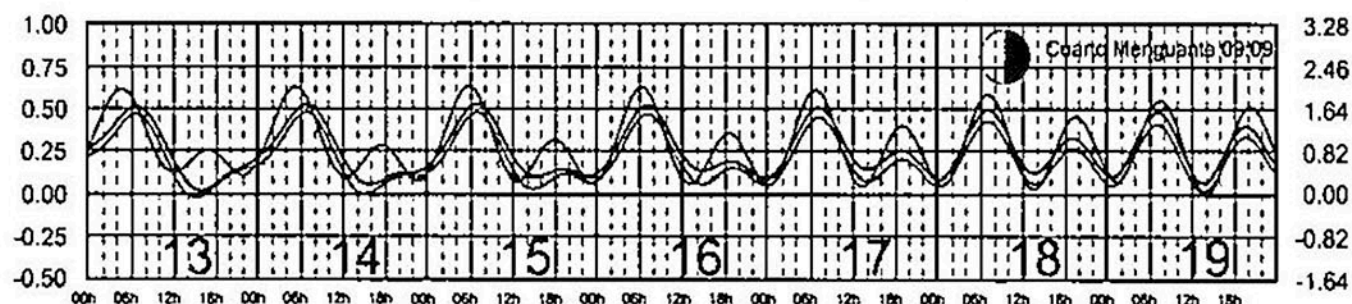
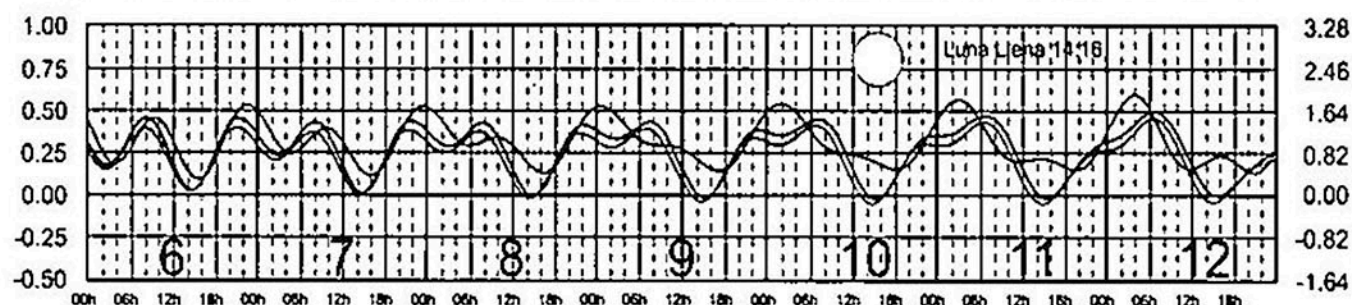
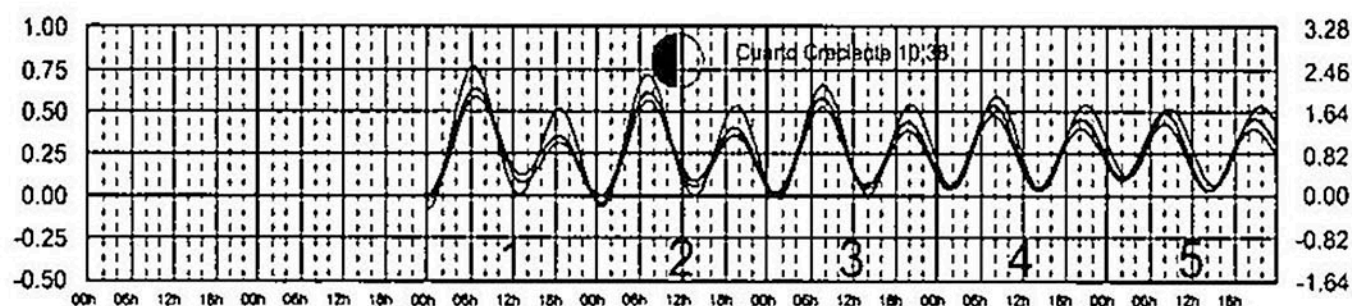
Hora del Meridiano 90°(W)

Plano de Referencia NBMI

L. CÁRDENAS, MICH.  
ZIHUATANEJO, GRO.  
ACAPULCO, GRO.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES





# MARZO, 2011

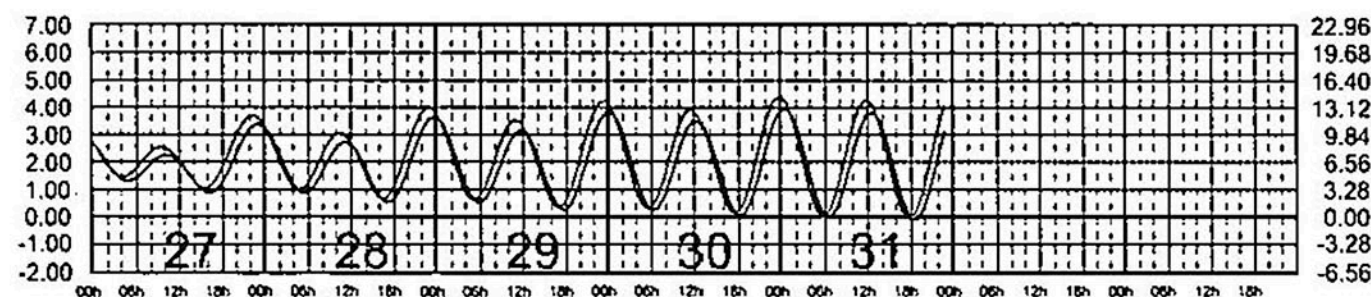
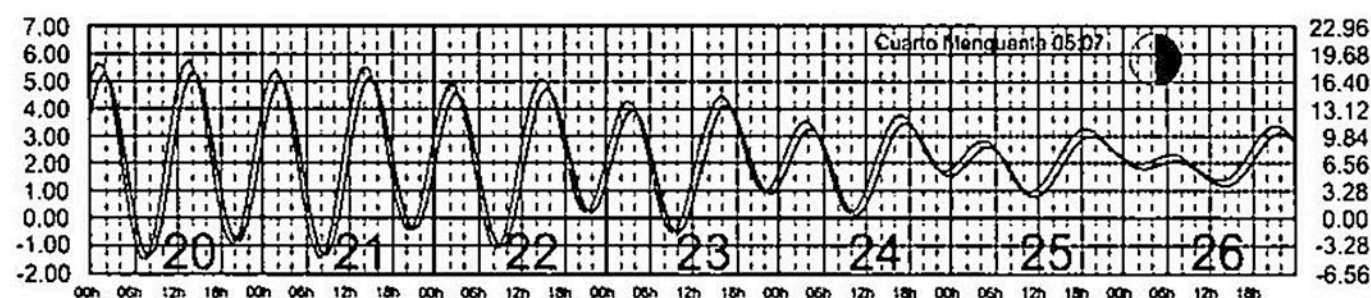
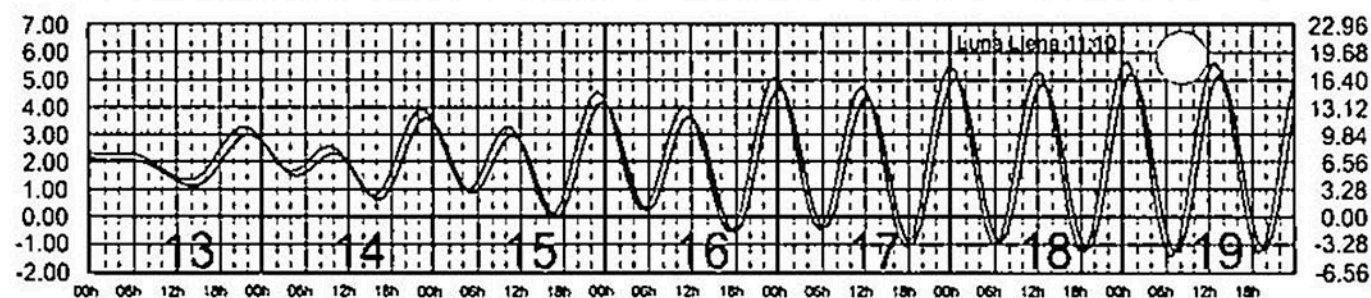
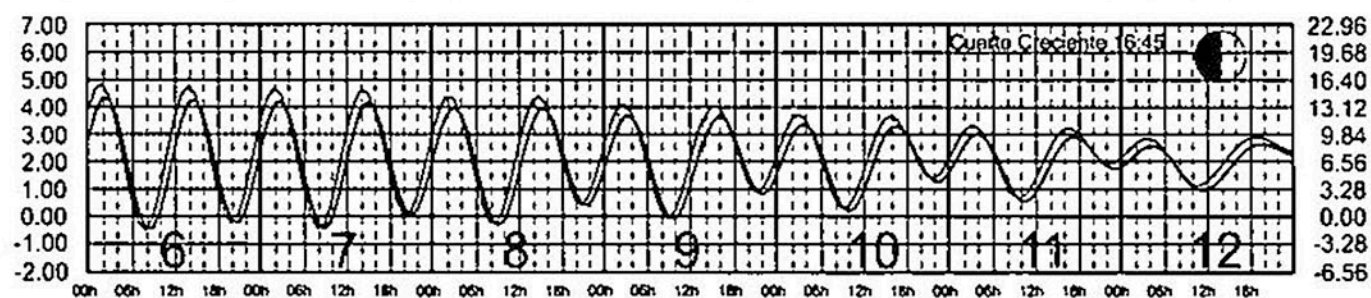
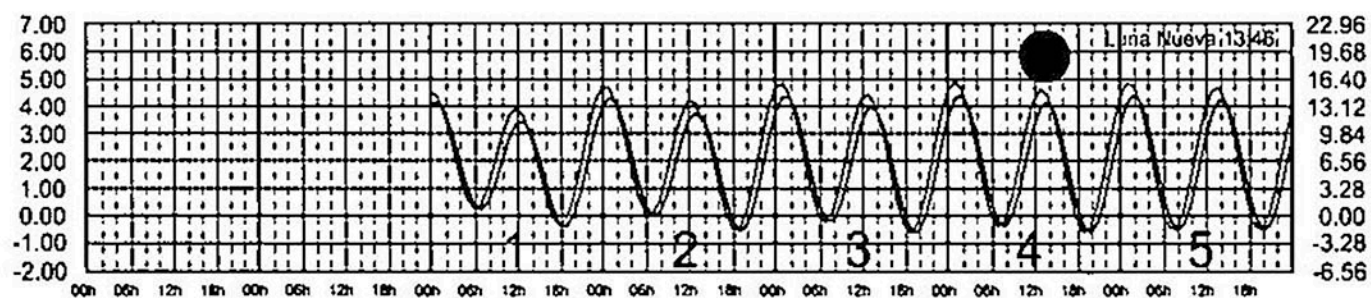
Hora del Meridiano 105°(W)  
 Hora del Meridiano 120°(W)

Plano de Referencia NBMI

PTO. PEÑASCO, SON.  
 SAN FELIPE, B.C.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



# OCTUBRE, 2011

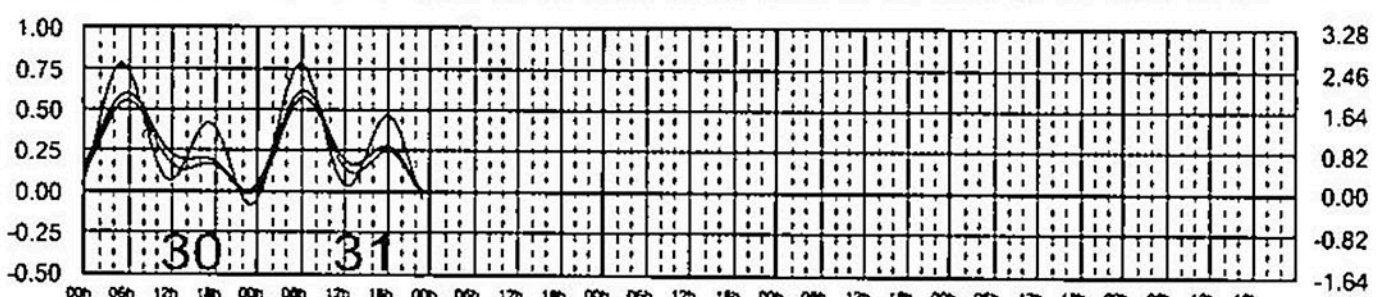
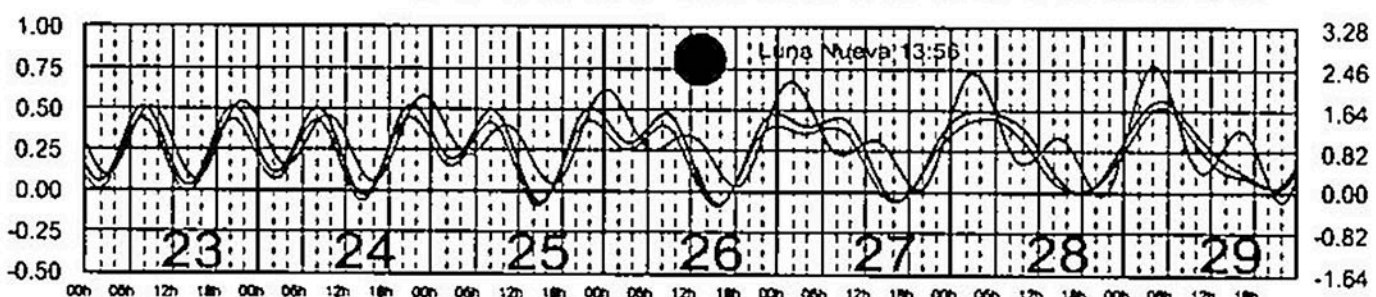
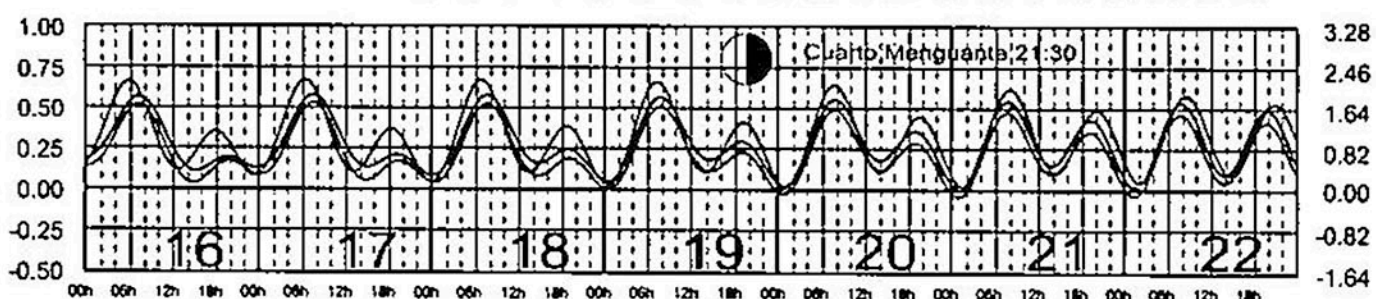
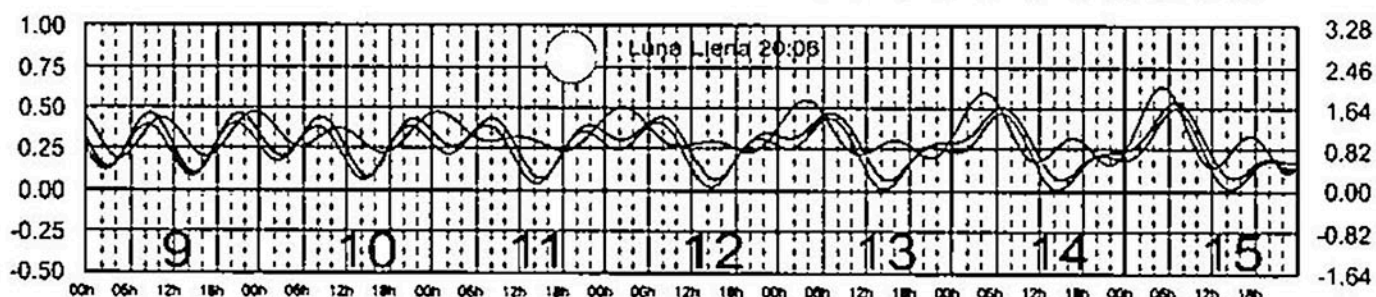
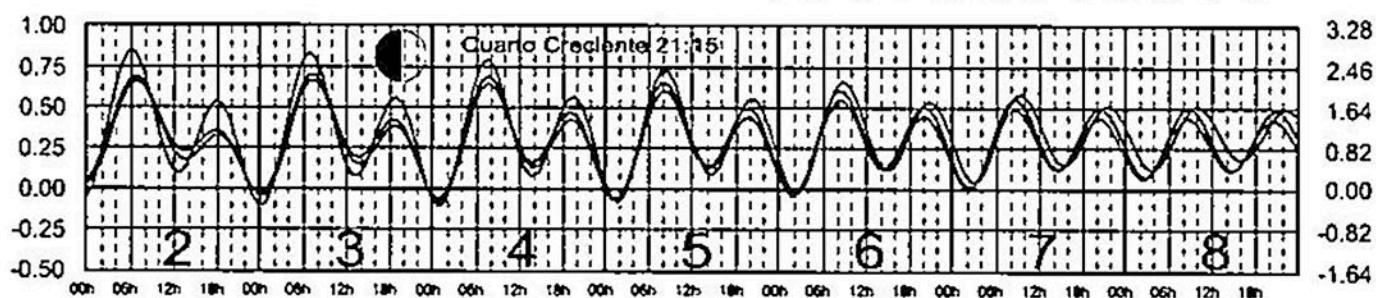
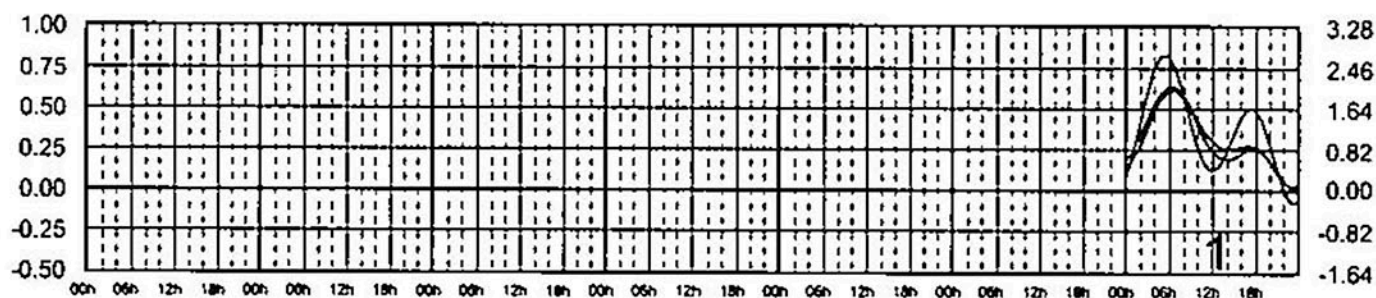
Hora del Meridiano 90°(W)

Plano de Referencia NBMI

L. CÁRDENAS, MICH.  
ZIHUATANEJO, GRO.  
ACAPULCO, GRO.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES





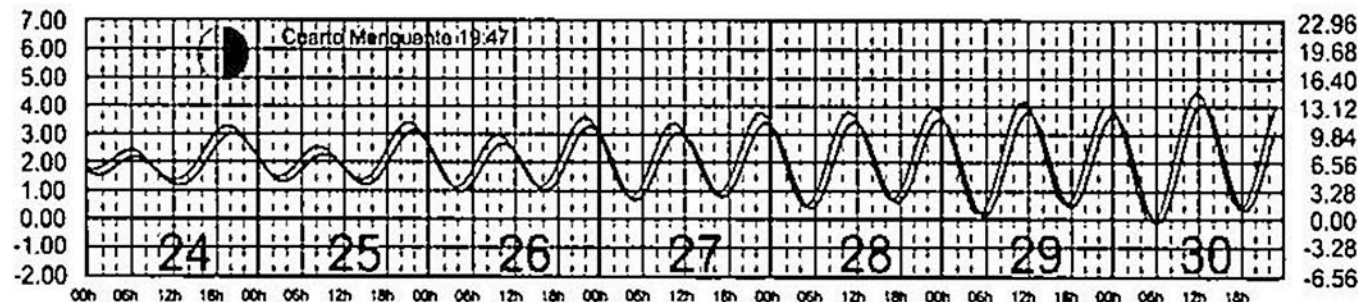
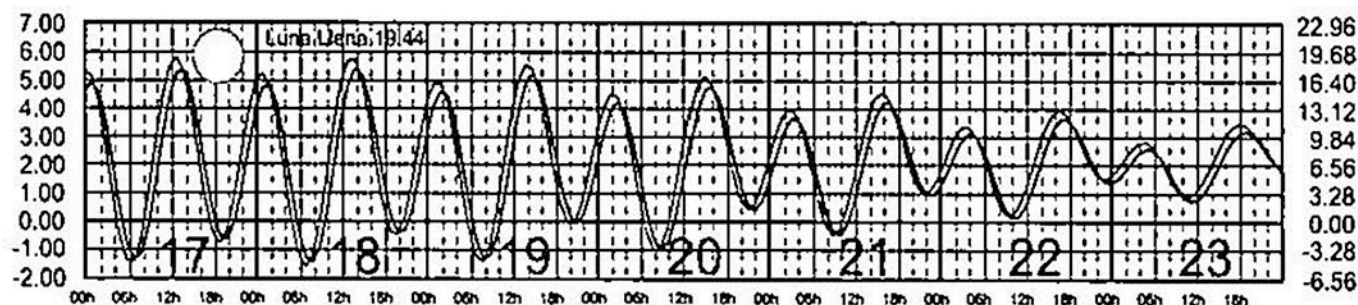
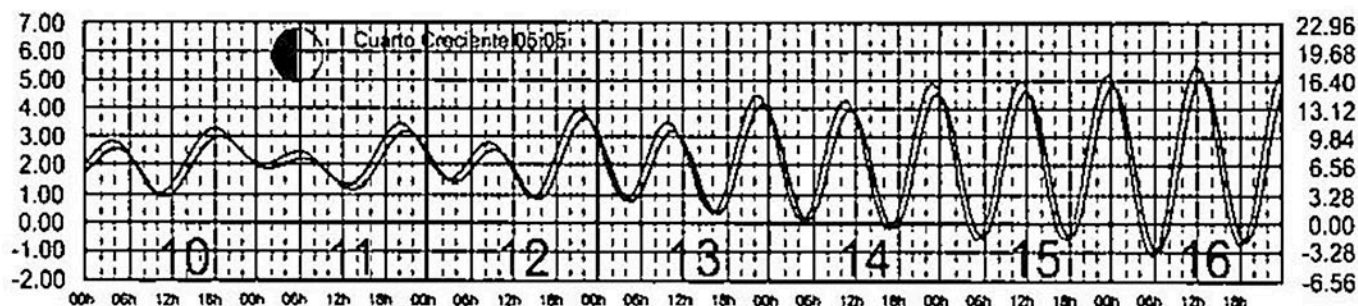
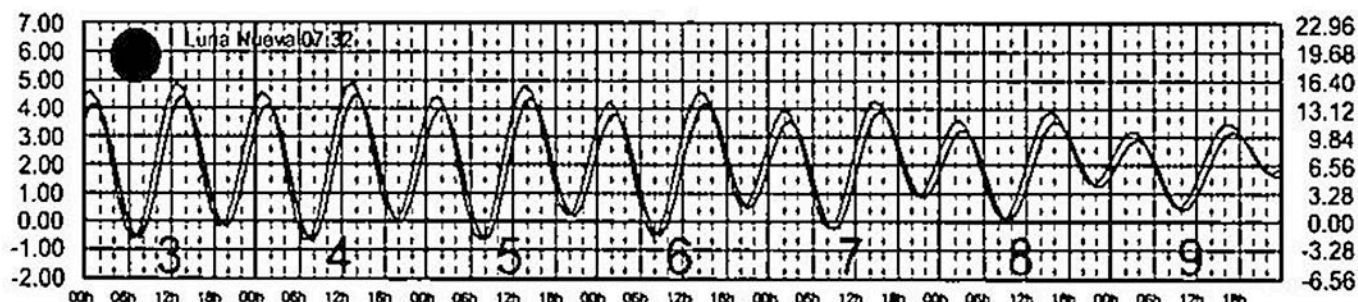
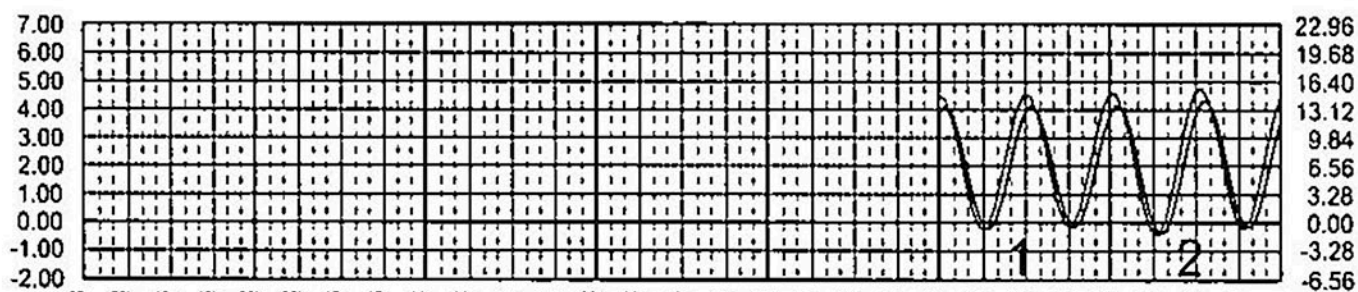
# ABRIL, 2011

Hora del Meridiano 105°(W)  
 Hora del Meridiano 120°(W)

Plano de Referencia NBMI

PTO. PEÑASCO, SON.  
 SAN FELIPE, B.C.

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES





# SEPTIEMBRE, 2011

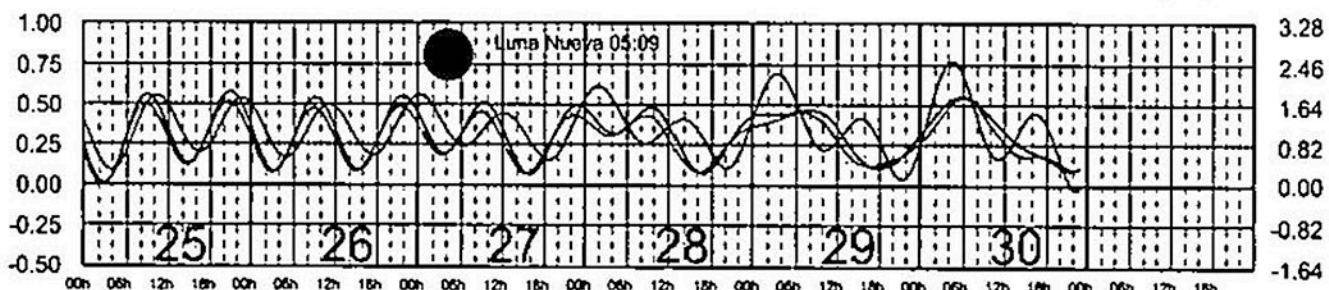
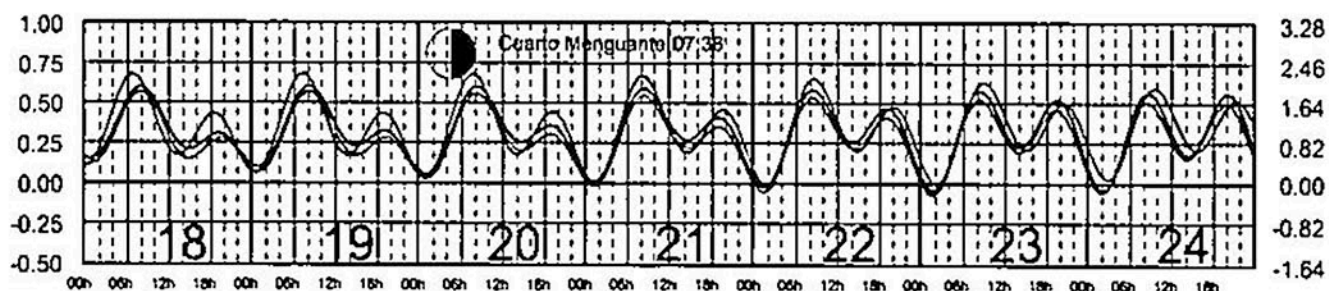
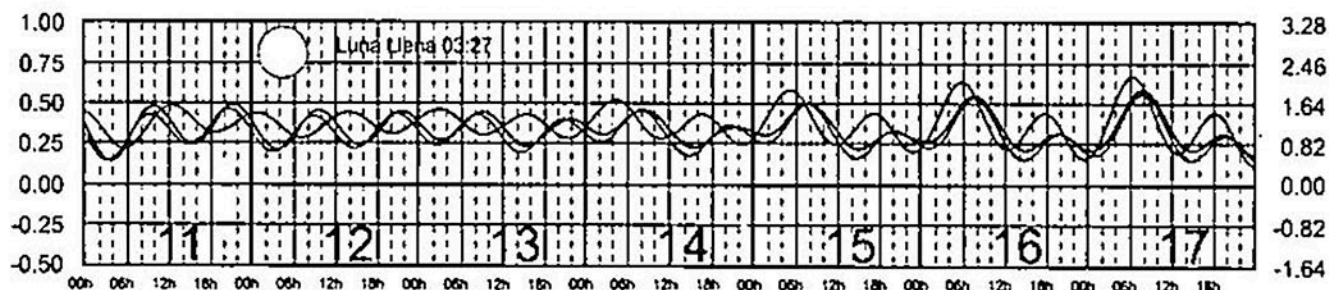
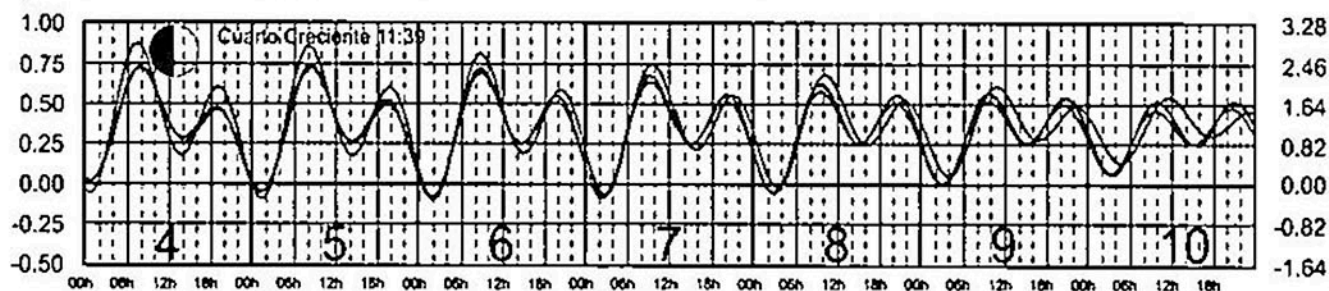
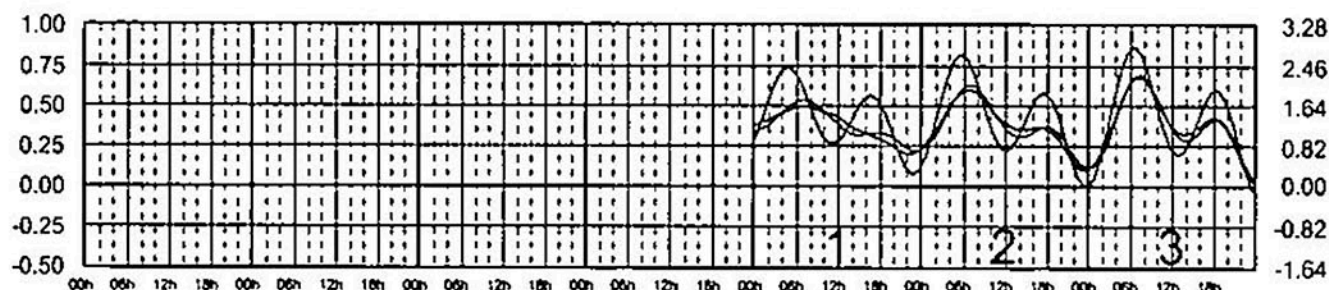
Hora del Meridiano 90°(W)

Plano de Referencia NBMI

L. CÁRDENAS, MICH.  
ZIHUATANEJO, GRO.  
ACAPULCO, GRO.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



# MAYO, 2011

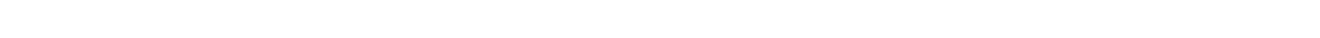
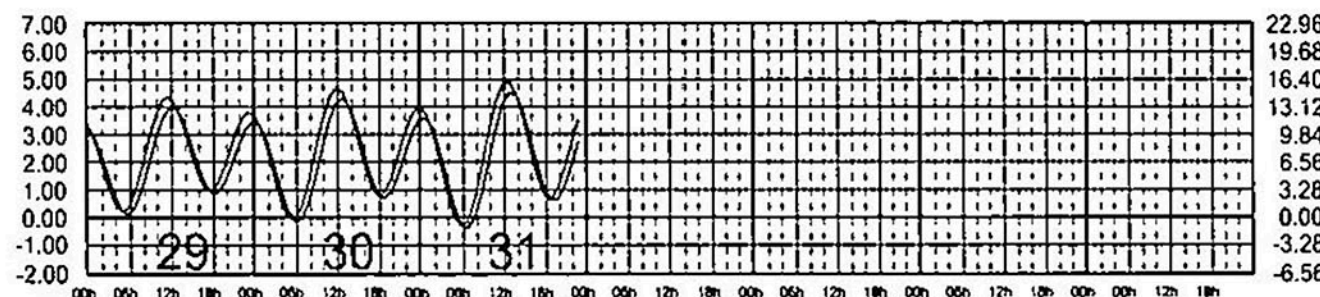
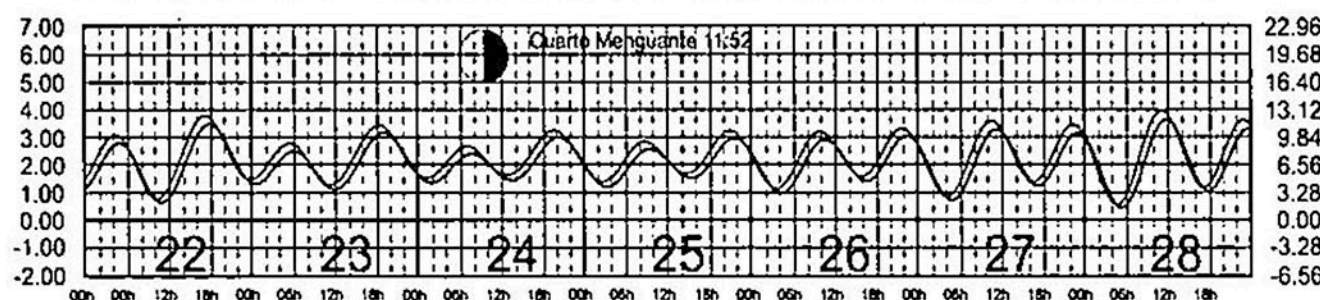
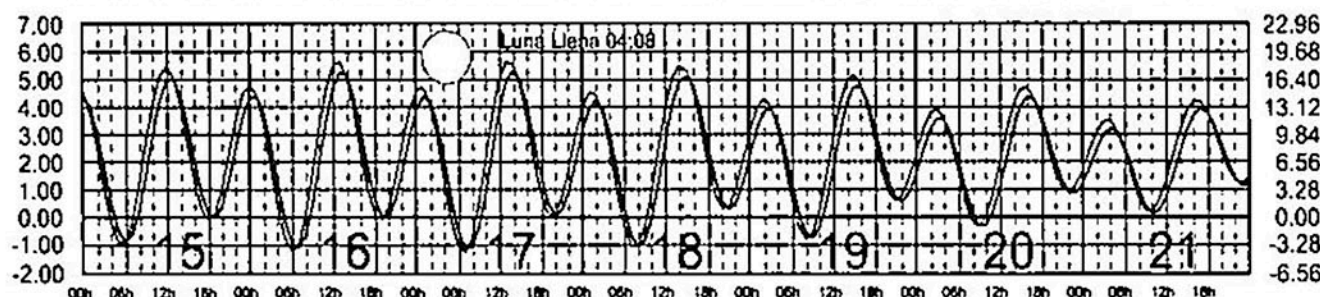
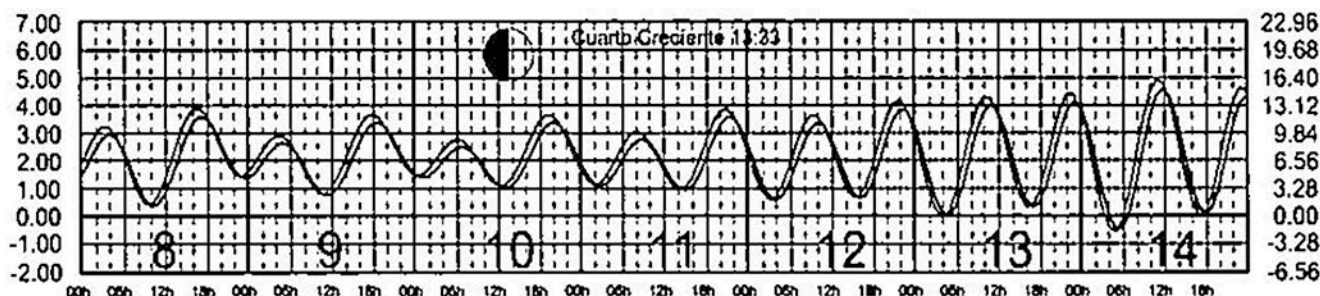
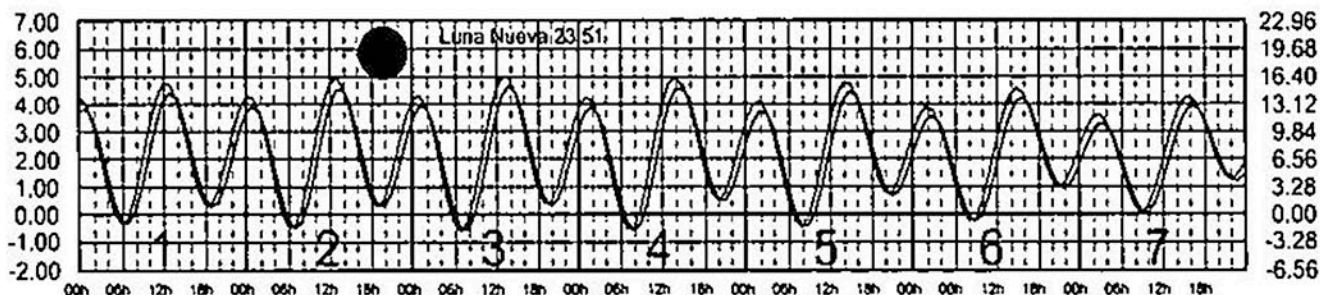
Hora del Meridiano 105°(W)  
 Hora del Meridiano 120°(W)

Plano de Referencia NBM1

PTO. PEÑASCO, SON.  
 SAN FELIPE, B.C.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



# AGOSTO, 2011

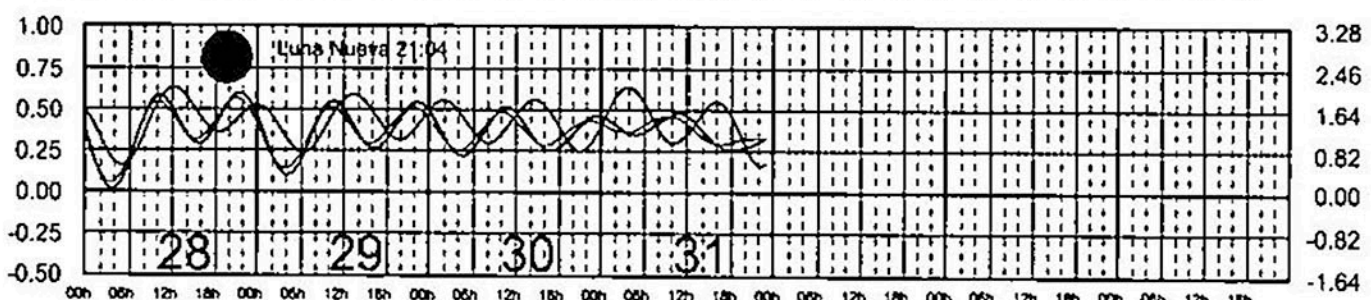
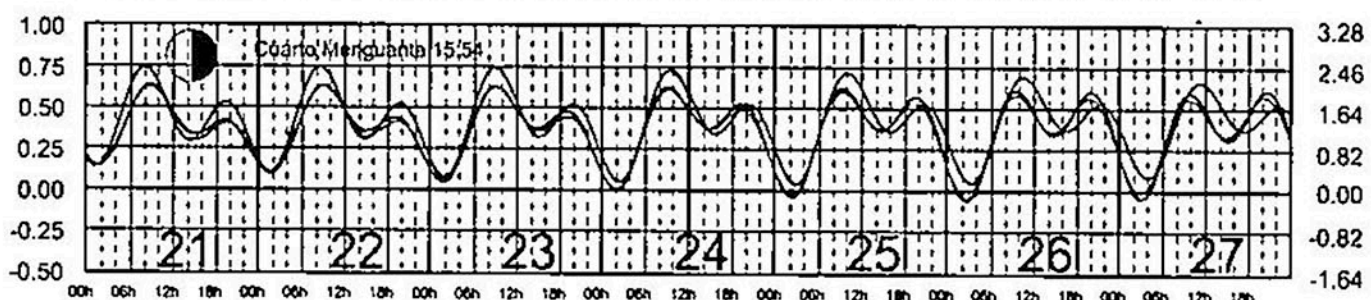
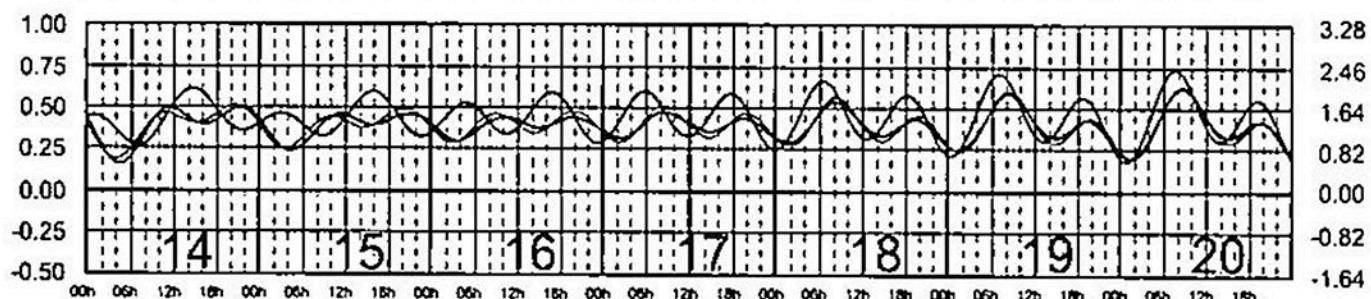
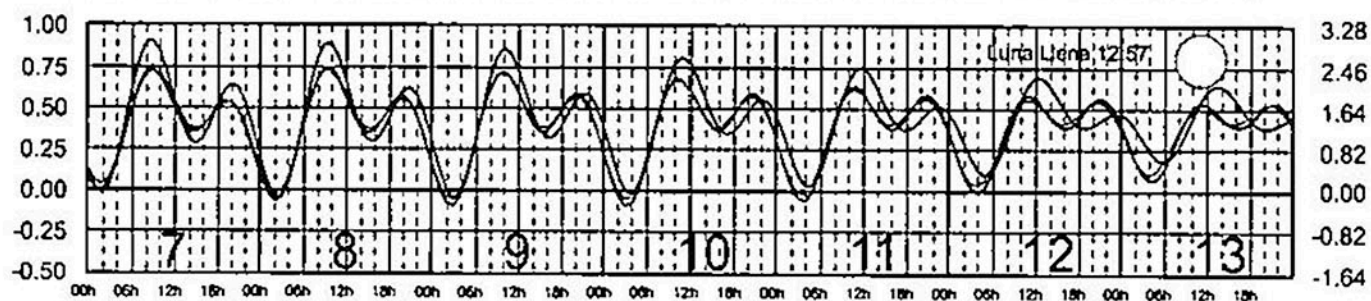
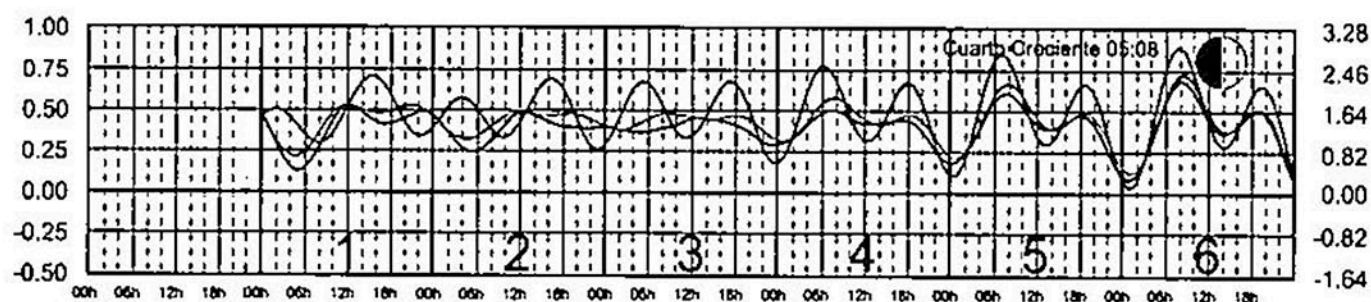
Hora del Meridiano 90°(W)

Plano de Referencia NBM1

L. CÁRDENAS, MICH.  
ZIHUATANEJO, GRO.  
ACAPULCO, GRO.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES





# JUNIO, 2011

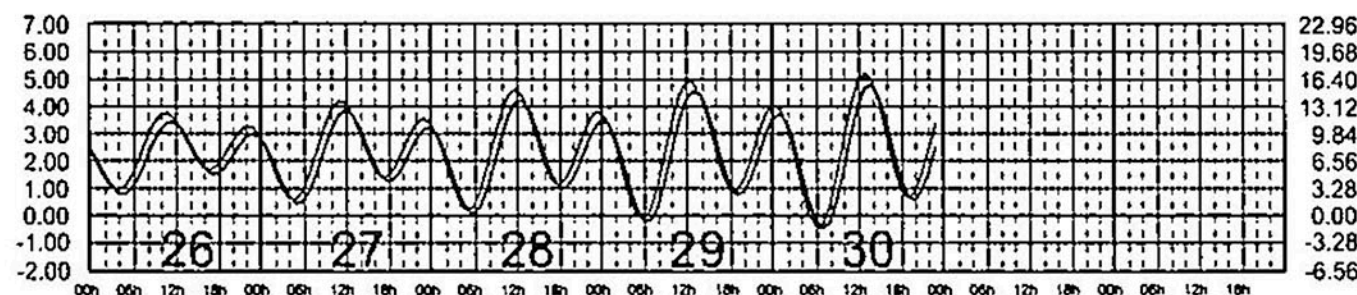
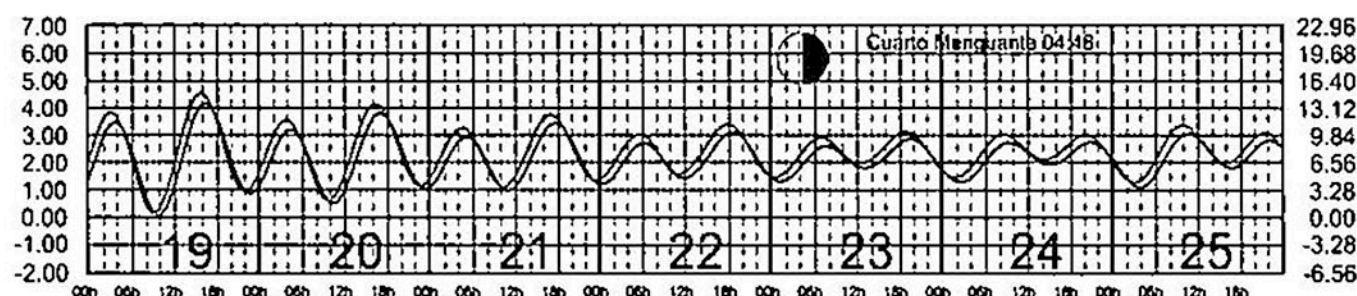
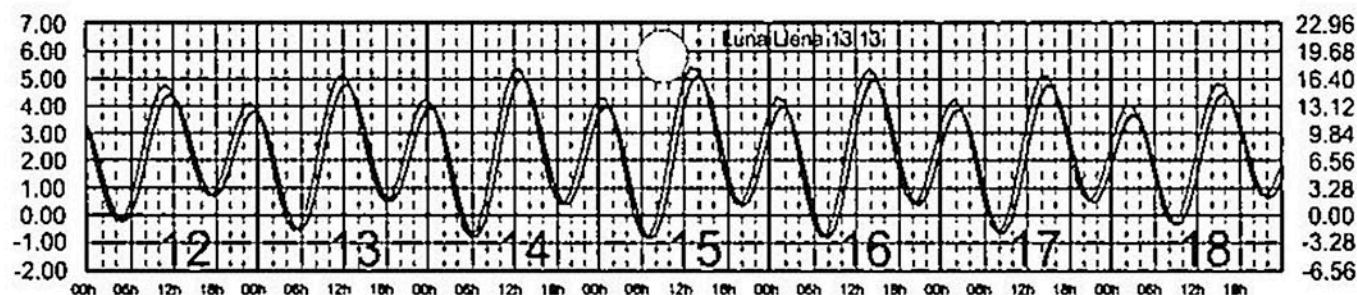
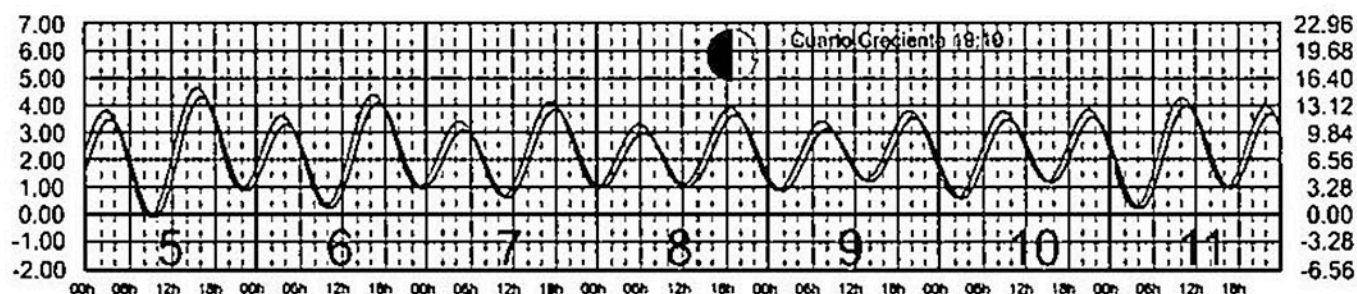
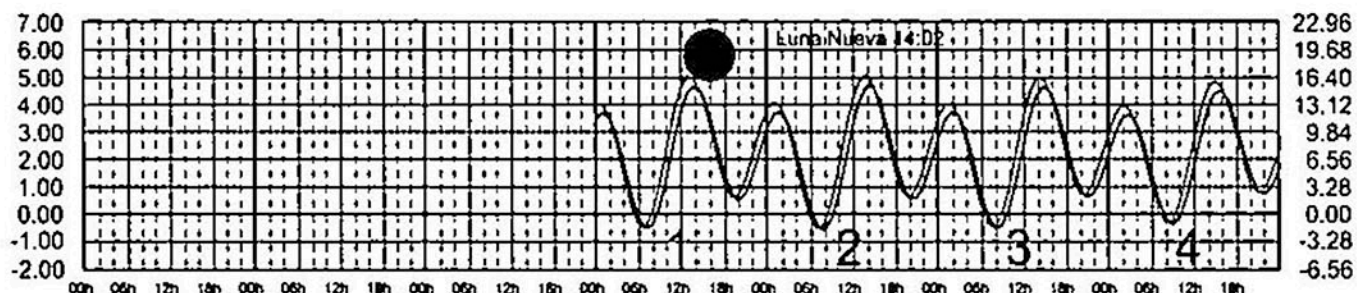
Hora del Meridiano 105°(W)  
 Hora del Meridiano 120°(W)

Plano de Referencia NBMI

PTO. PEÑASCO, SON.  
 SAN FELIPE, B.C.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



# JULIO, 2011

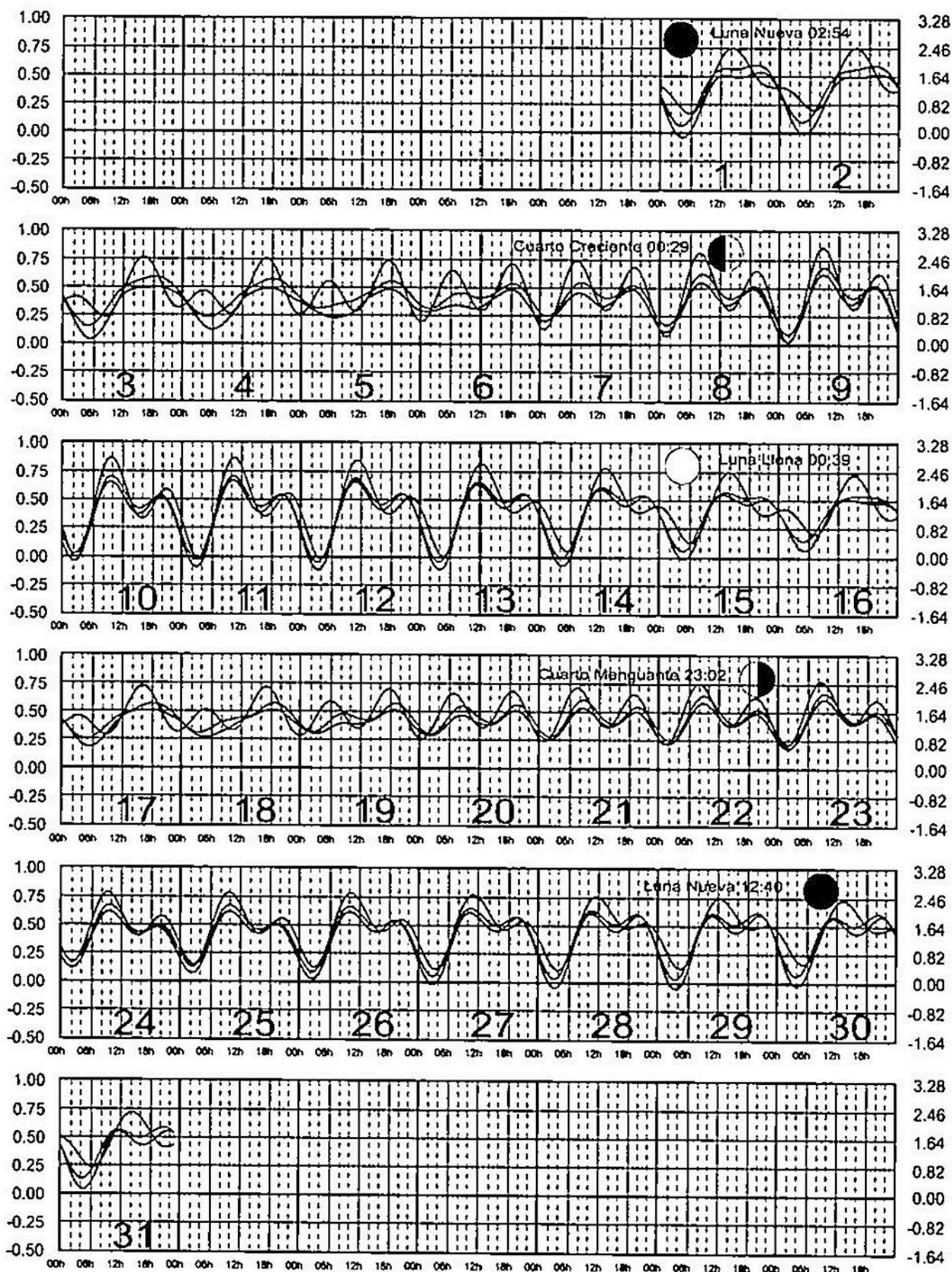
Hora del Meridiano 90°(W)

Plano de Referencia NBMI

L. CÁRDENAS, MICH.  
ZIHUATANEJO, GRO.  
ACAPULCO, GRO.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES





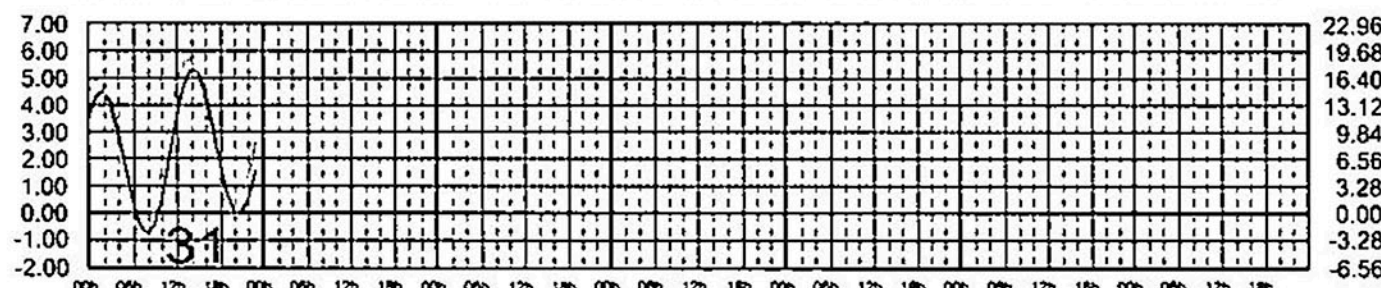
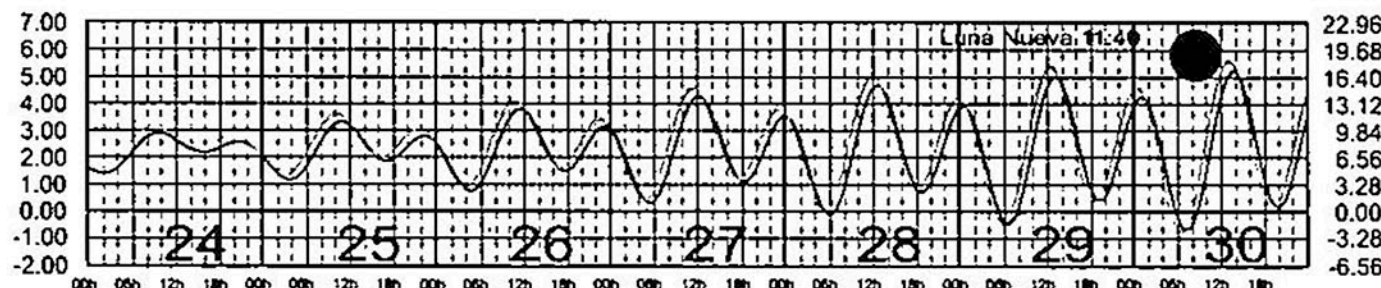
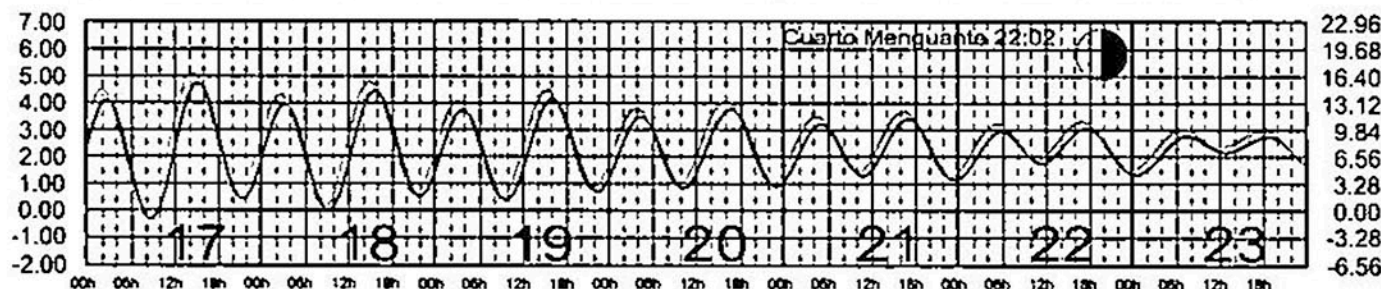
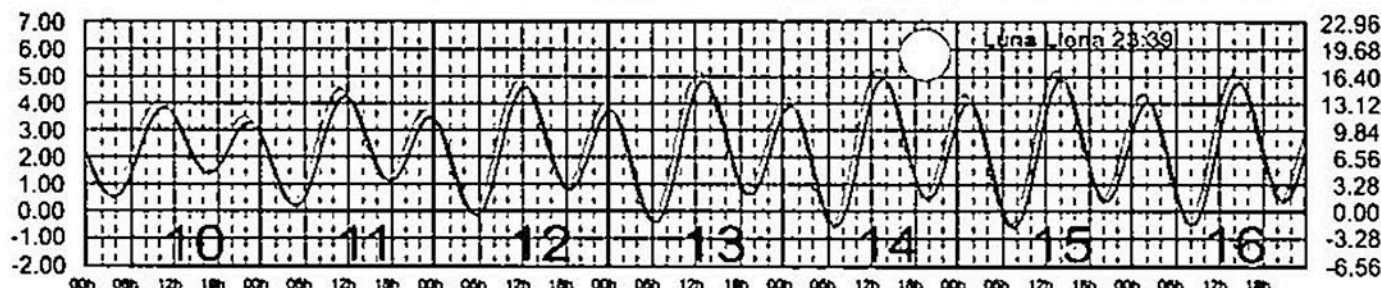
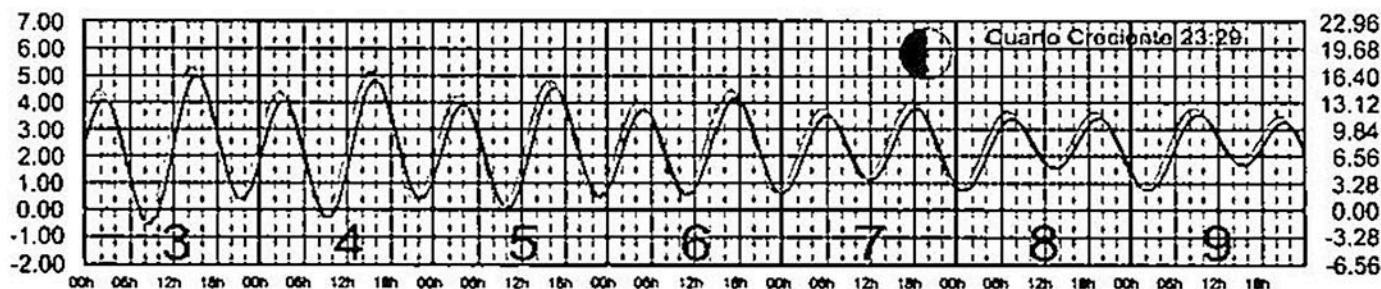
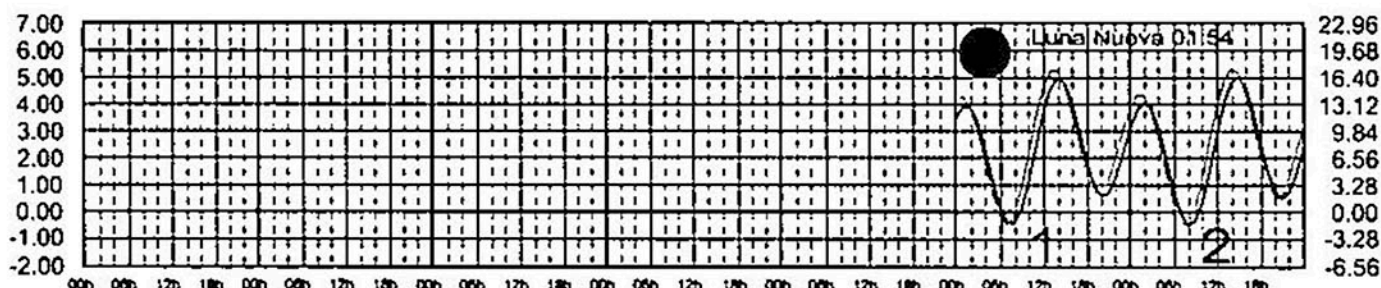
# JULIO, 2011

Hora del Meridiano 105°(W)  
 Hora del Meridiano 120°(W)

Plano de Referencia NBM1

PTO. PEÑASCO, SON.  
 SAN FELIPE, B.C.

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES





# JUNIO, 2011

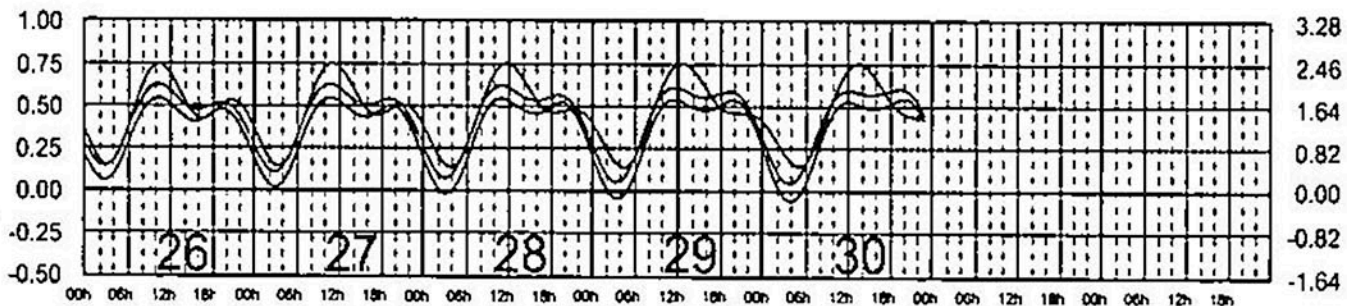
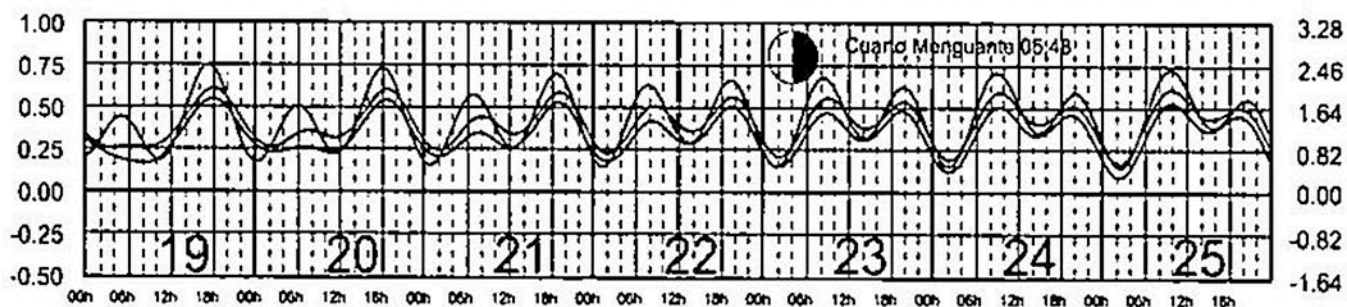
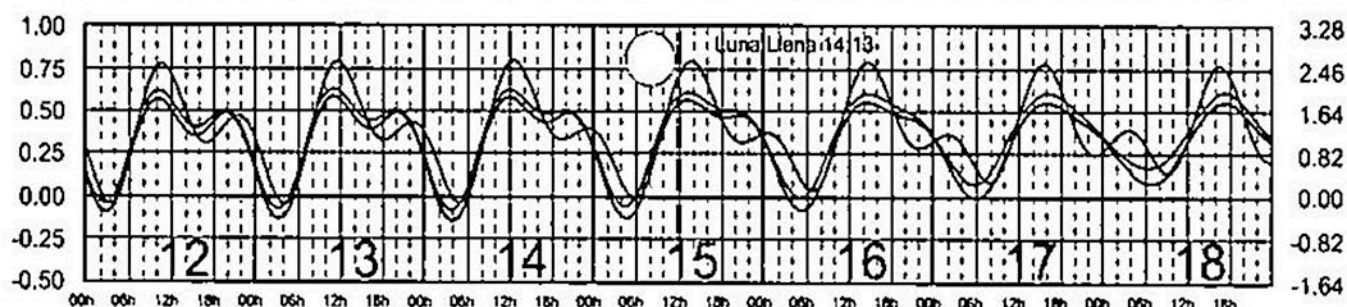
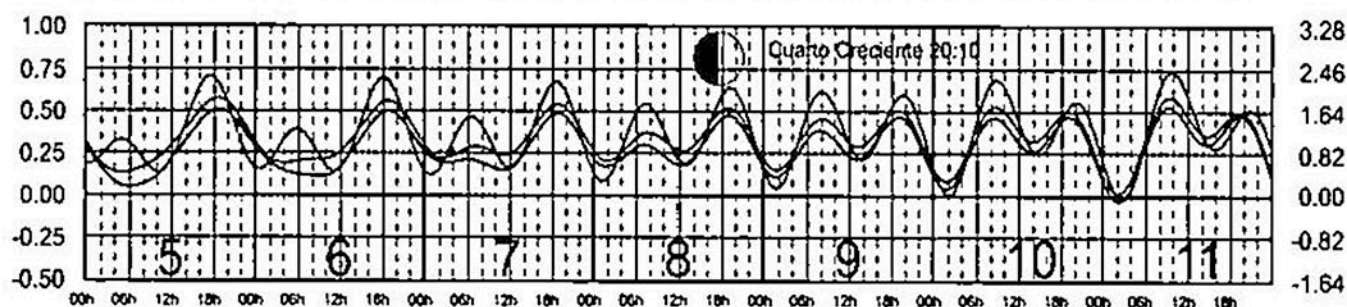
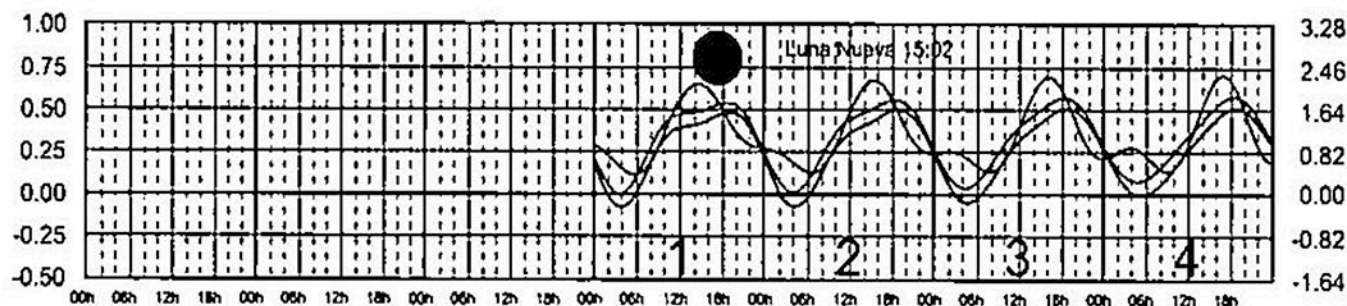
Hora del Meridiano 90°(W)

Plano de Referencia NBMI

L. CÁRDENAS, MICH.  
ZIHUATANEJO, GRO.  
ACAPULCO, GRO.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



# AGOSTO, 2011

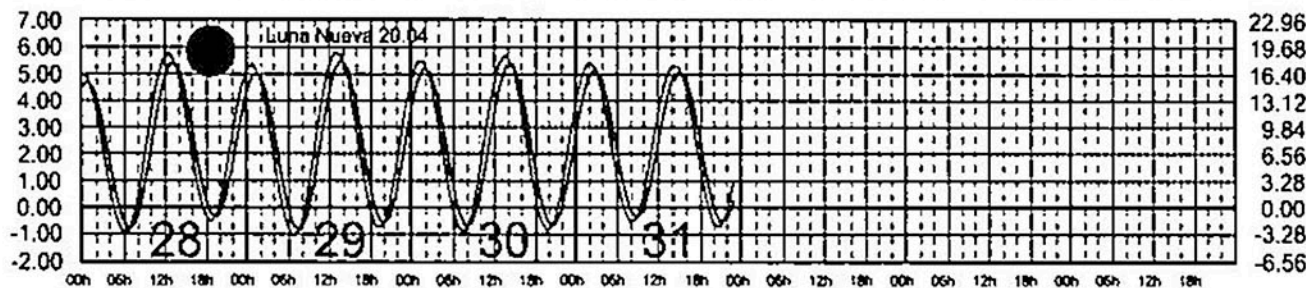
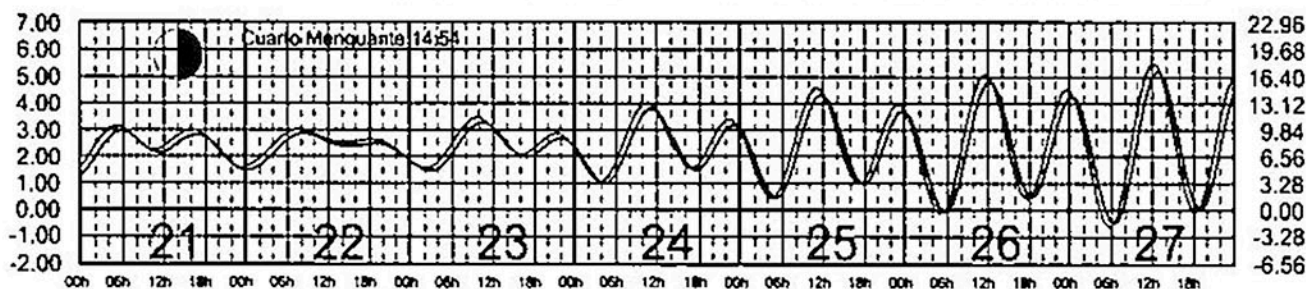
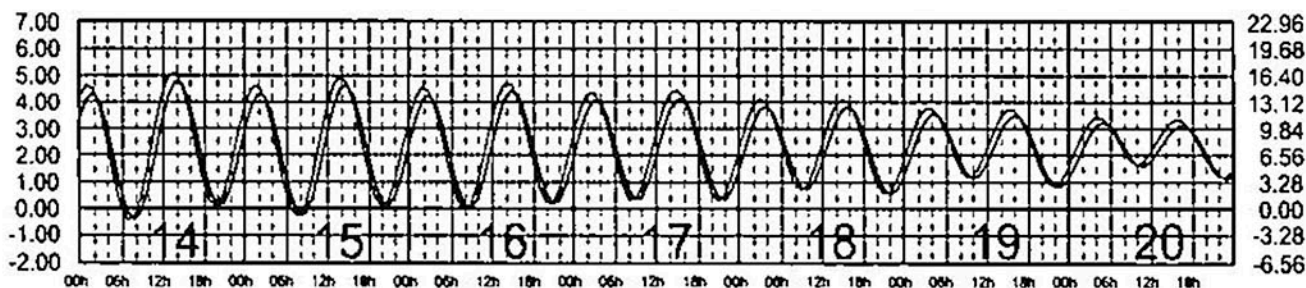
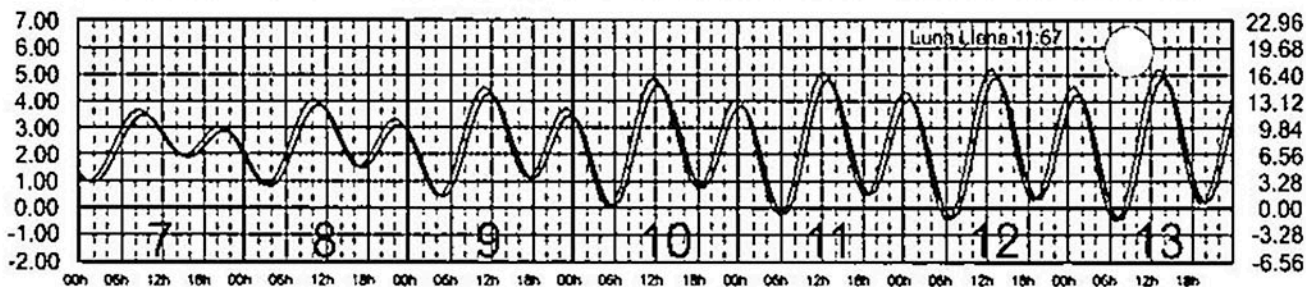
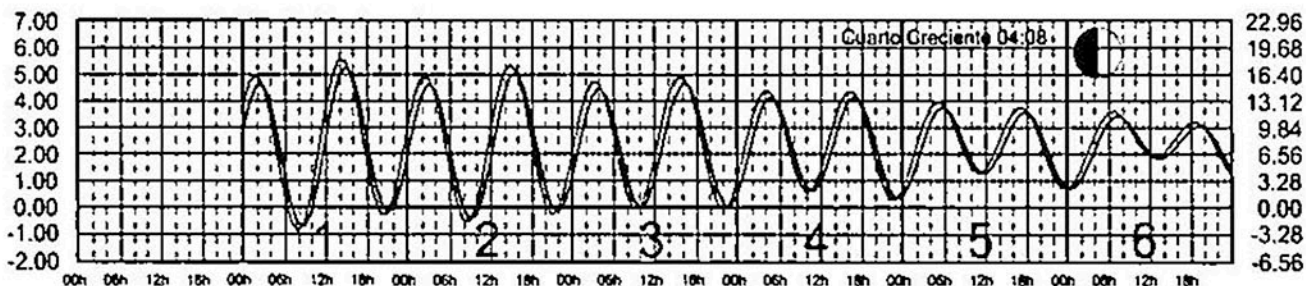
Hora del Meridiano 105°(W)  
 Hora del Meridiano 120°(W)

Plano de Referencia NBMI

PTO. PEÑASCO, SON.  
 SAN FELIPE, B.C.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



SECRETARÍA DE ESTADO  
 DE BAJA CALIFORNIA SUR  
 DEPARTAMENTO DE HISTORIA  
 Y CULTURA BAJA CALIFORNIA SUR  
 BIBLIOTECA GENERAL

# MAYO, 2011

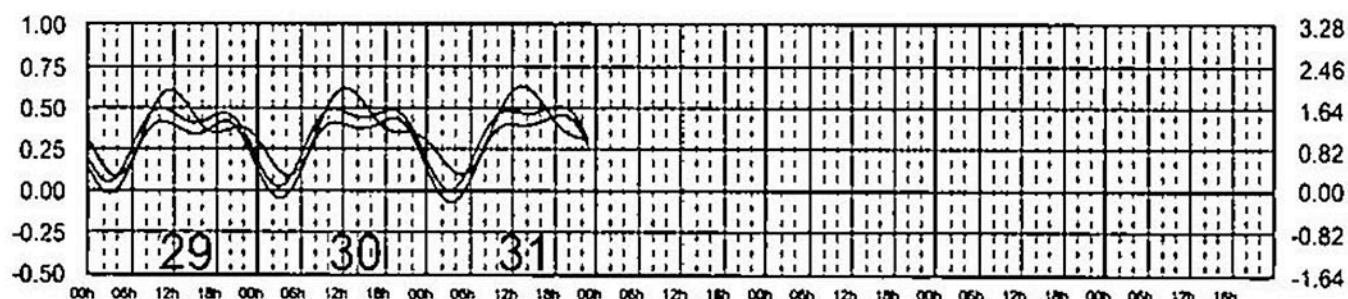
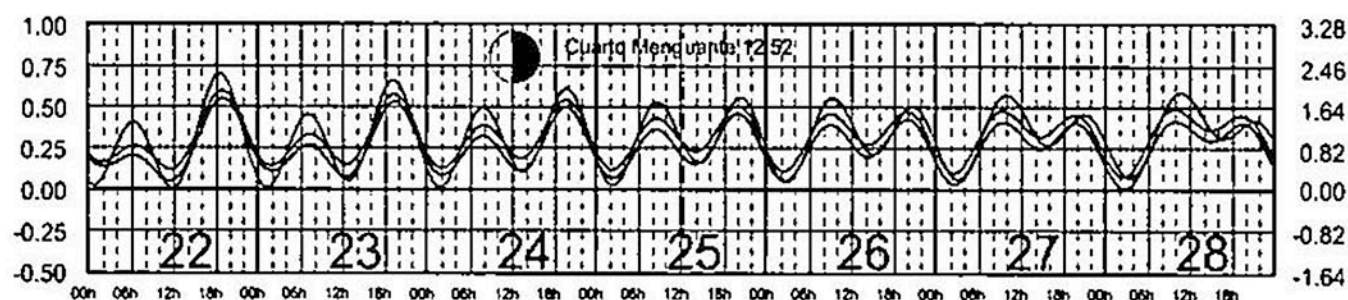
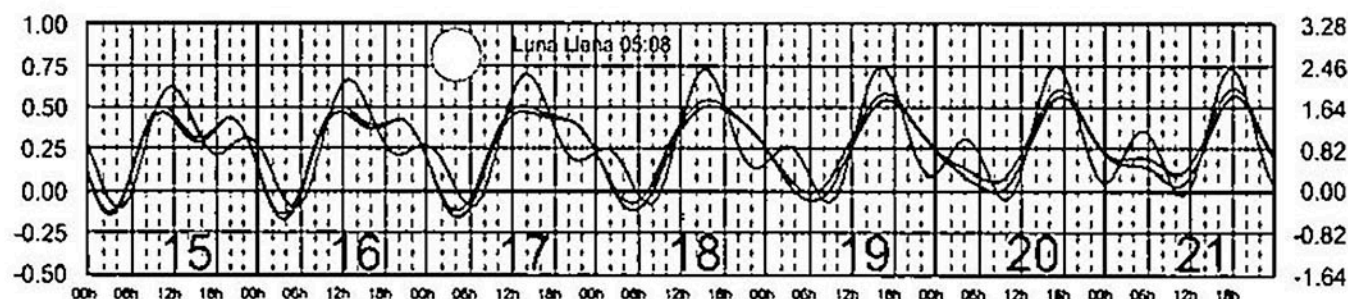
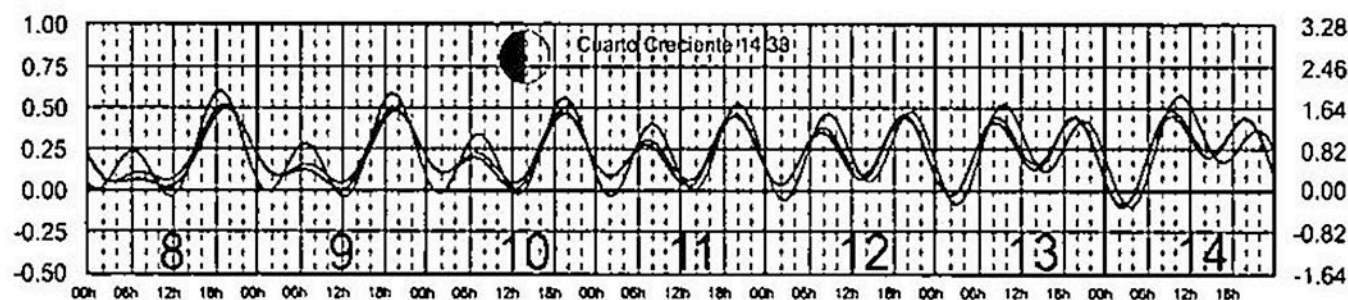
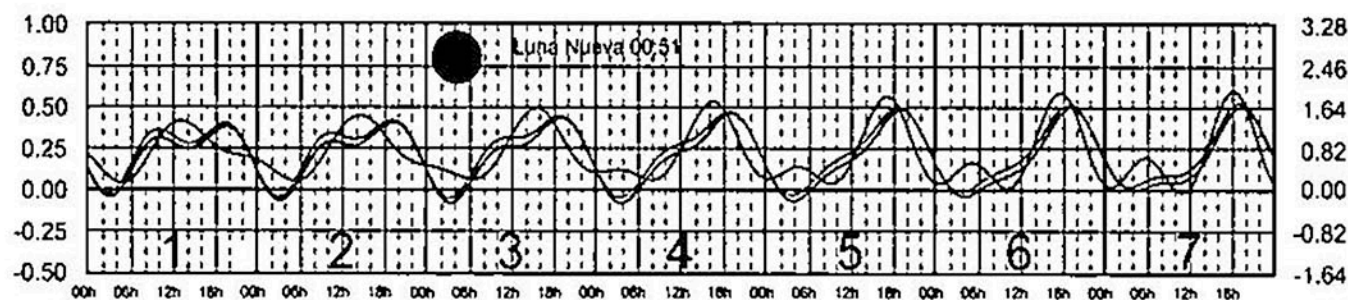
Hora del Meridiano 90°(W)

Plano de Referencia NBMI

L. CÁRDENAS, MICH.  
ZIHUATANEJO, GRO.  
ACAPULCO, GRO.

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METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES





# SEPTIEMBRE, 2011

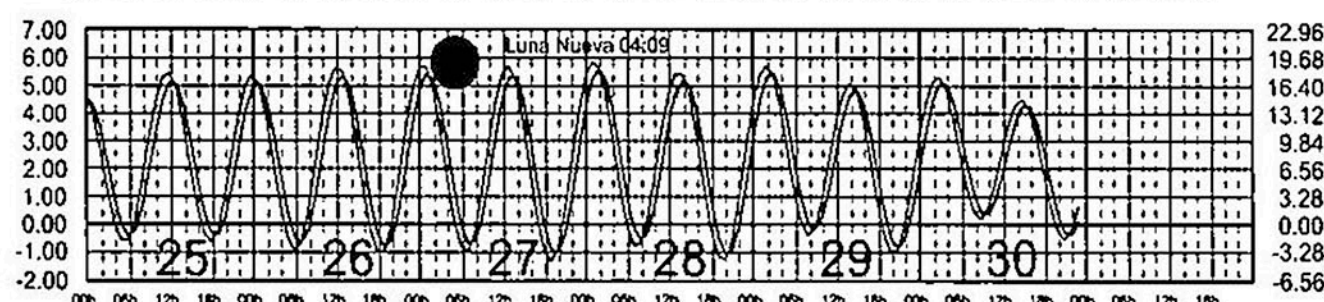
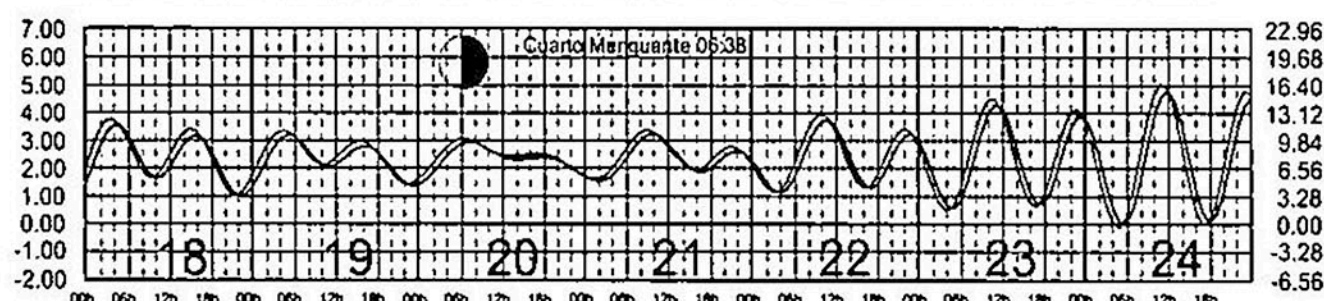
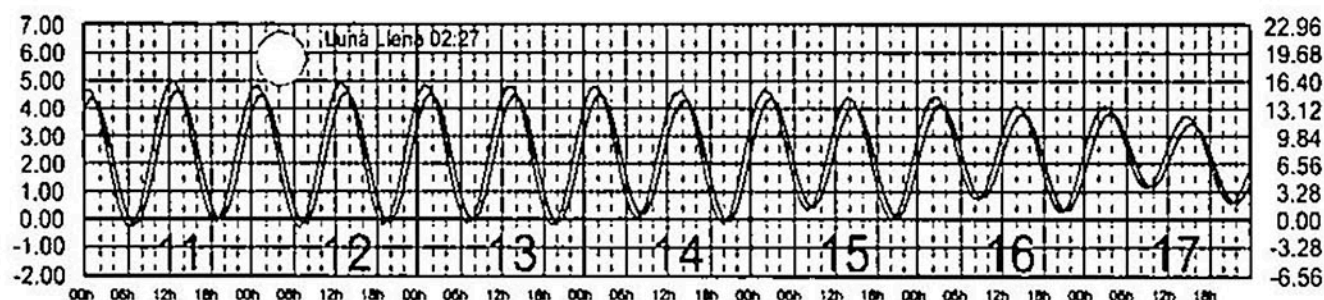
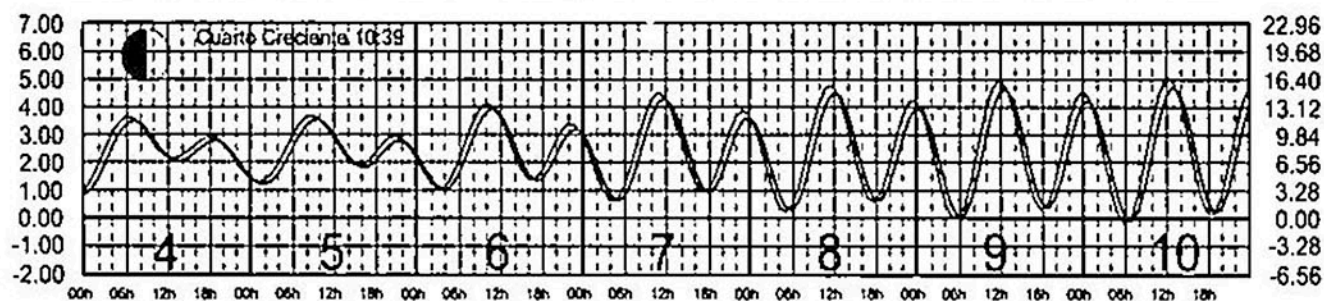
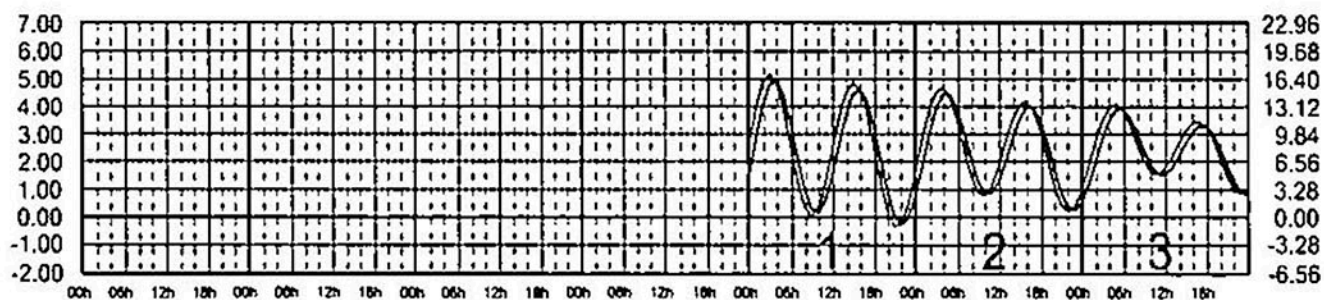
Hora del Meridiano 105°(W)  
 Hora del Meridiano 120°(W)

Plano de Referencia NBMI

PTO. PEÑASCO, SON.  
 SAN FELIPE, B.C.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



# ABRIL, 2011

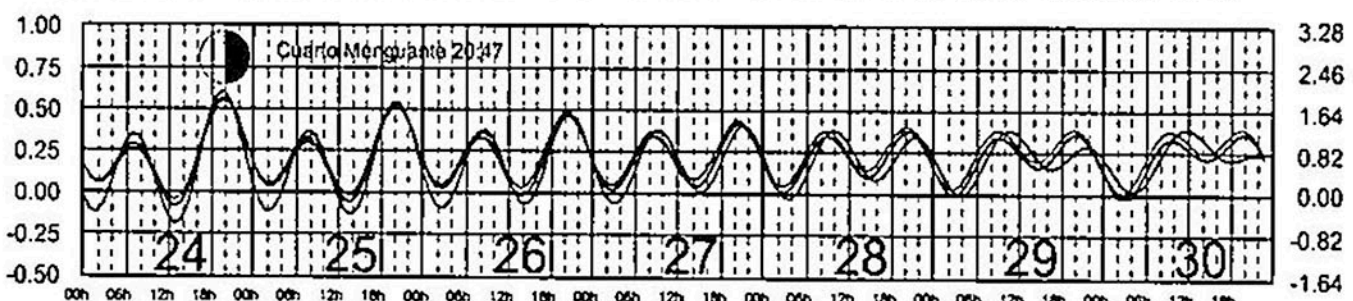
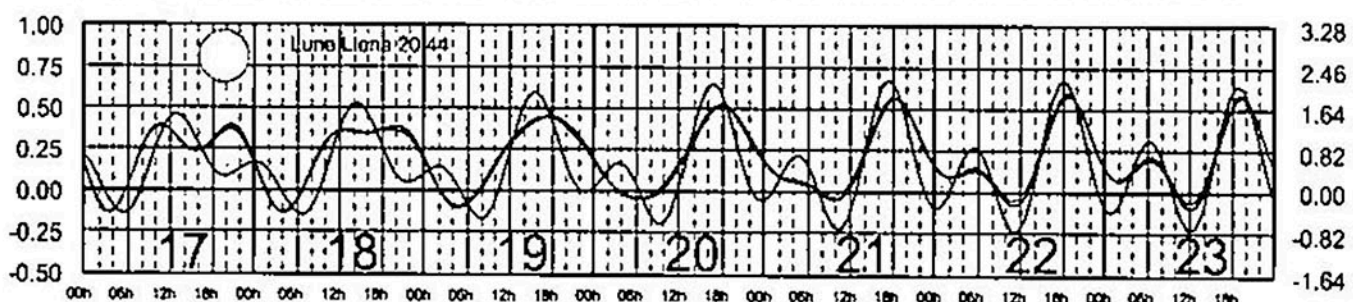
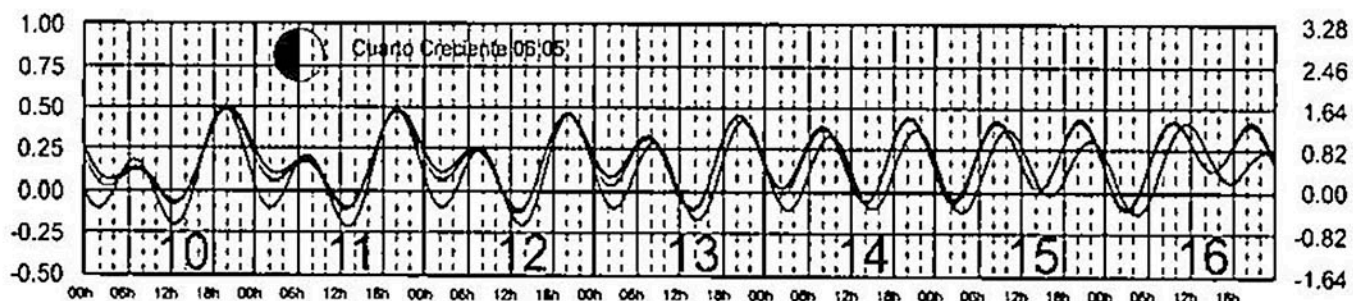
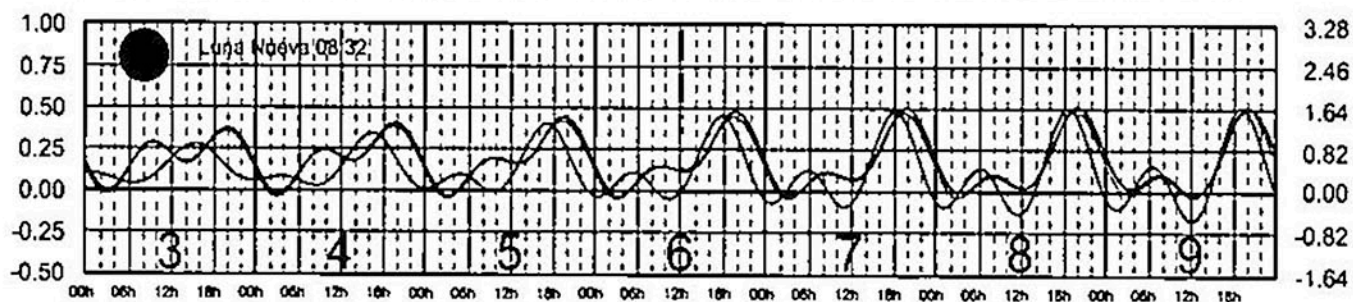
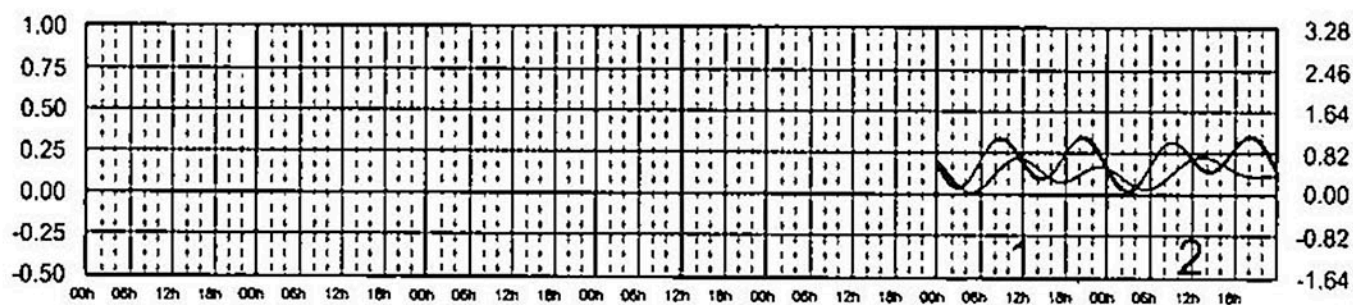
Hora del Meridiano 90°(W)

Plano de Referencia NBM1

L. CÁRDENAS, MICH.  
ZIHUATANEJO, GRO.  
ACAPULCO, GRO.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES





# OCTUBRE, 2011

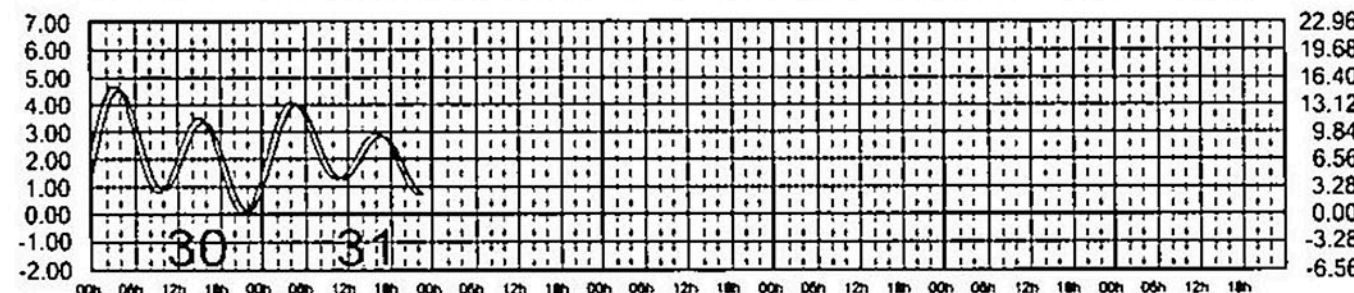
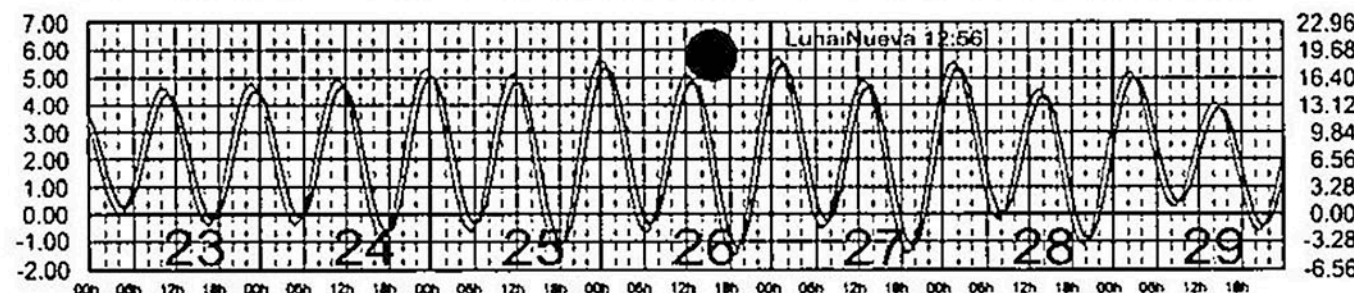
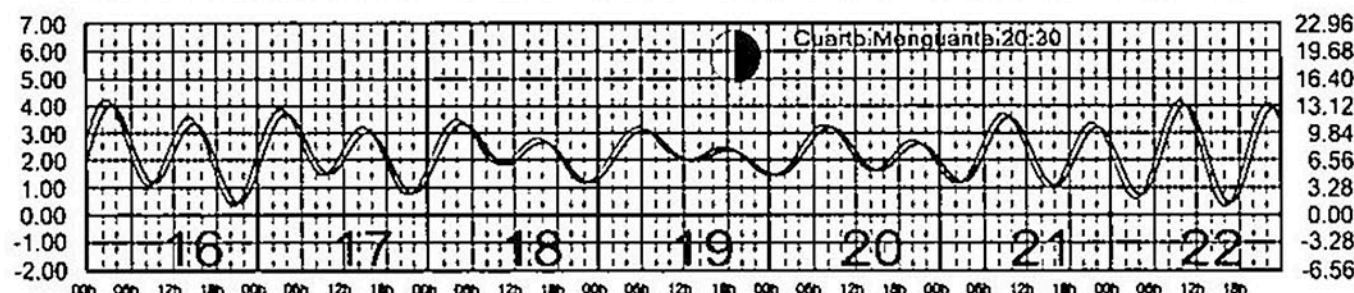
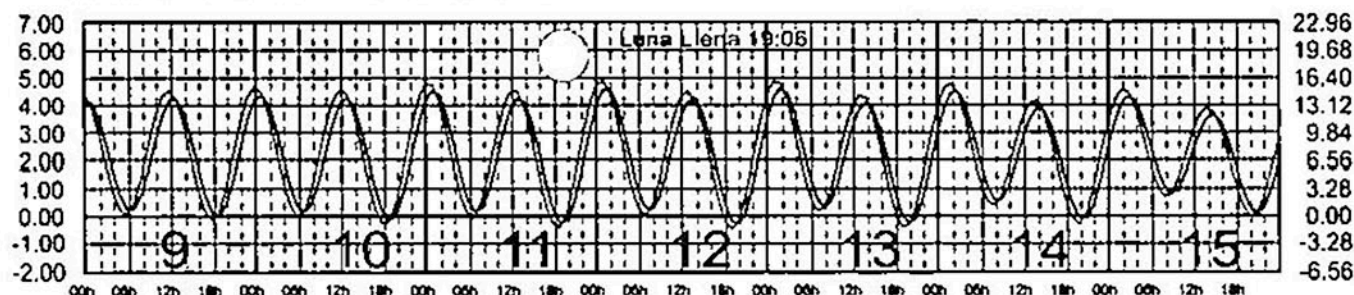
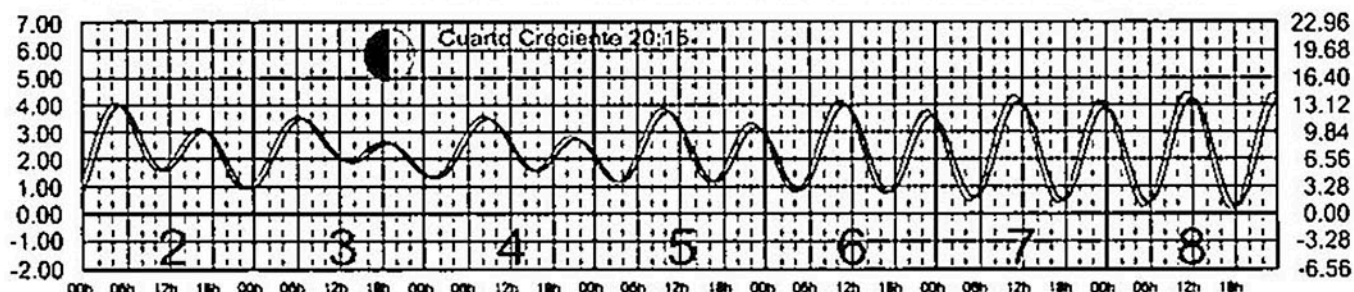
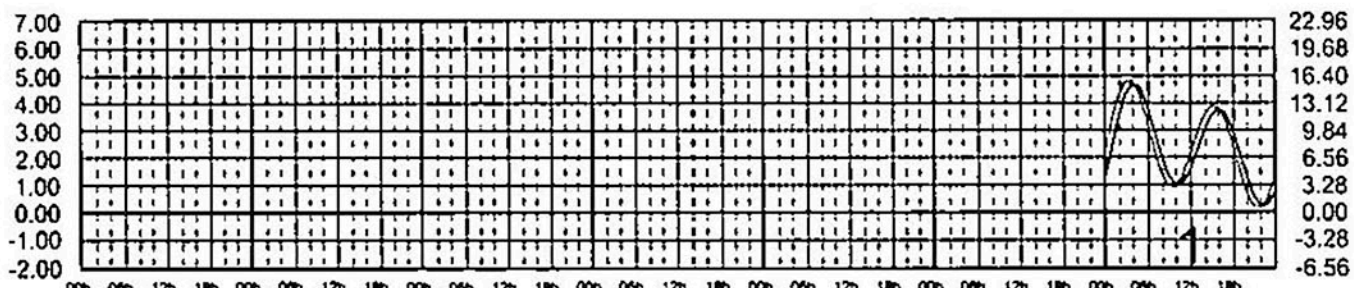
Hora del Meridiano 105°(W)  
 Hora del Meridiano 120°(W)

Plano de Referencia NBMI

PTO. PEÑASCO, SON.  
 SAN FELIPE, B.C.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



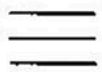


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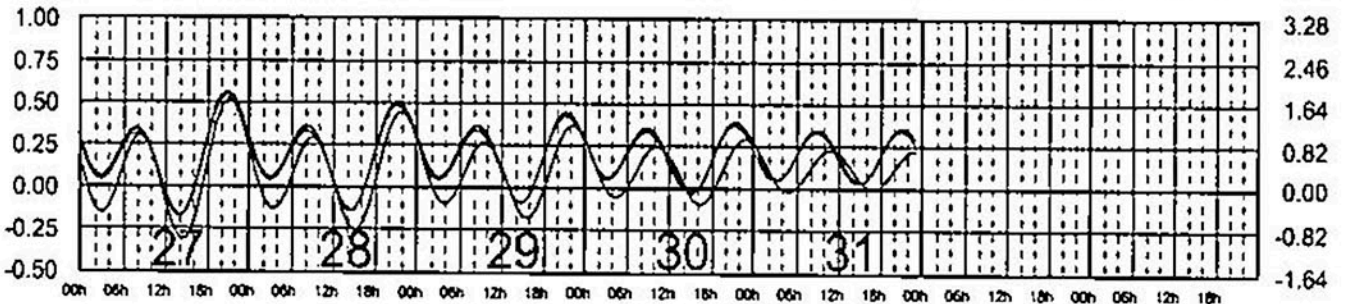
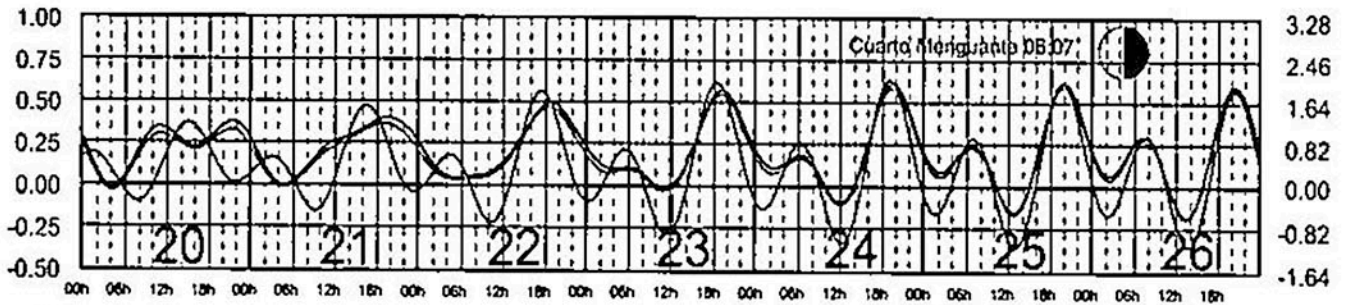
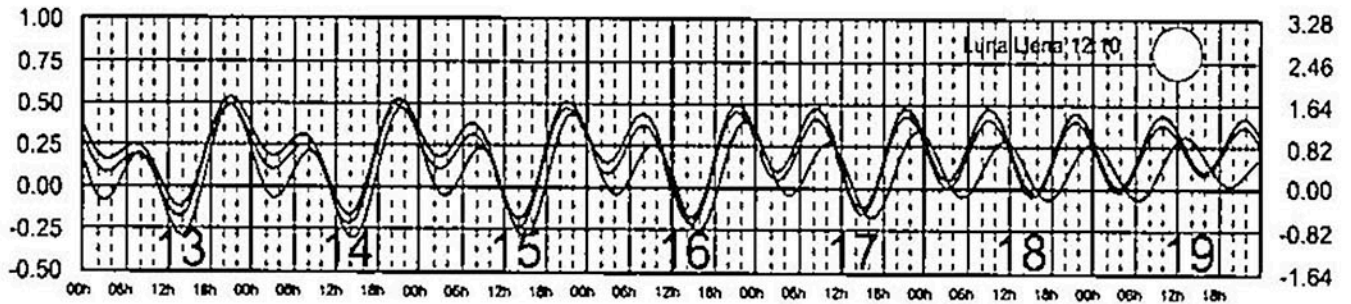
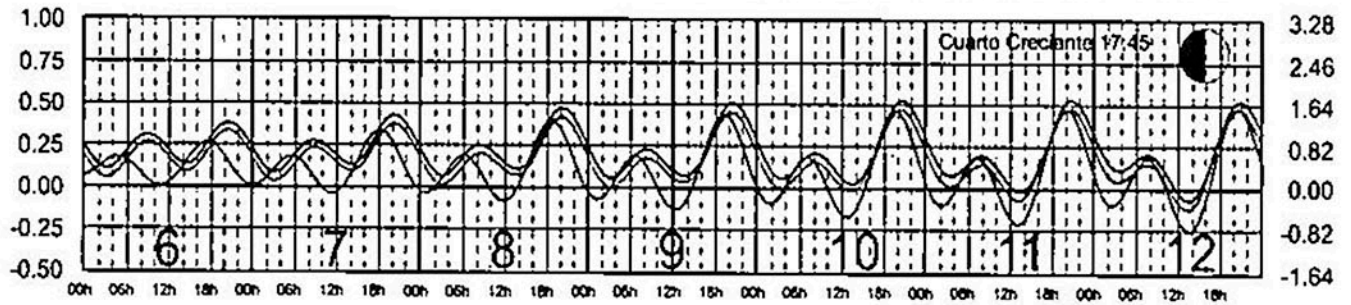
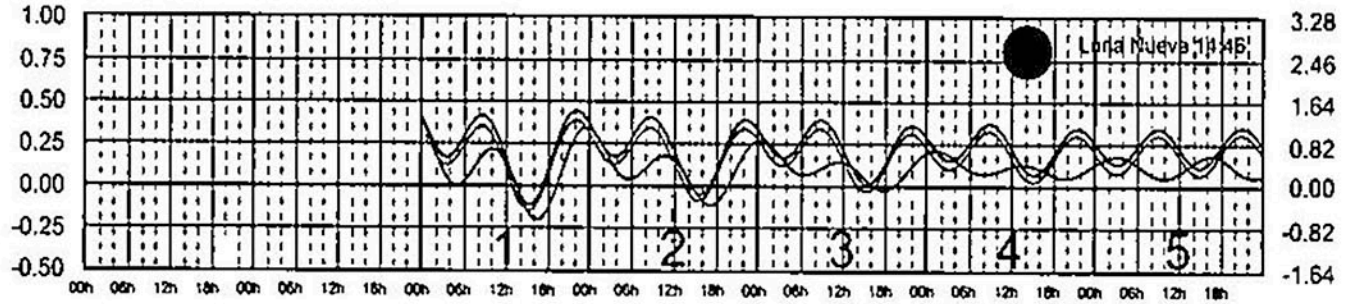
Hora del Meridiano 90°(W)

Plano de Referencia NBM1

L. CÁRDENAS, MICH.  
ZIHUATANEJO, GRO.  
ACAPULCO, GRO.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



# NOVIEMBRE, 2011

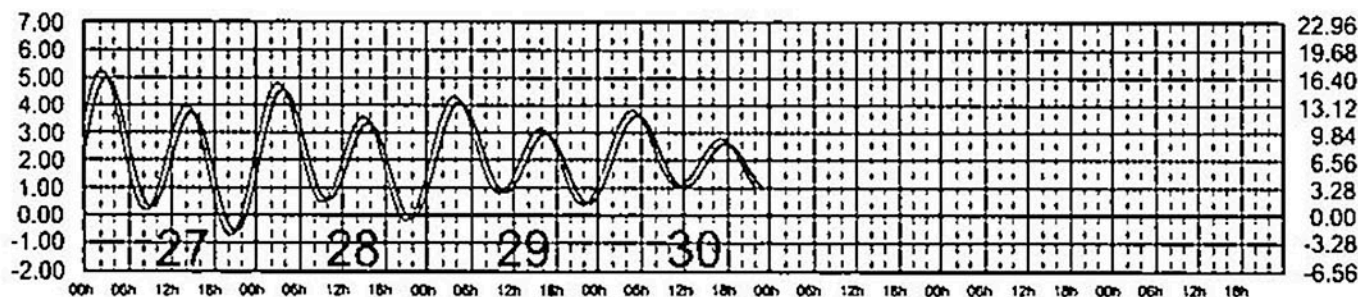
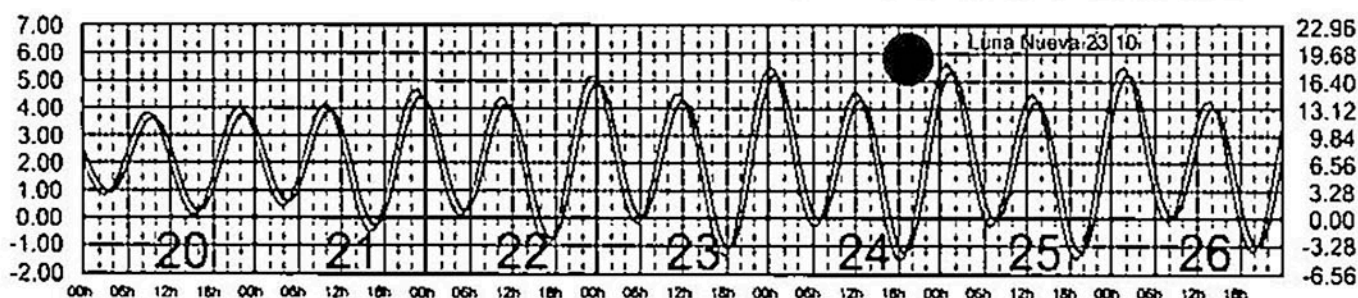
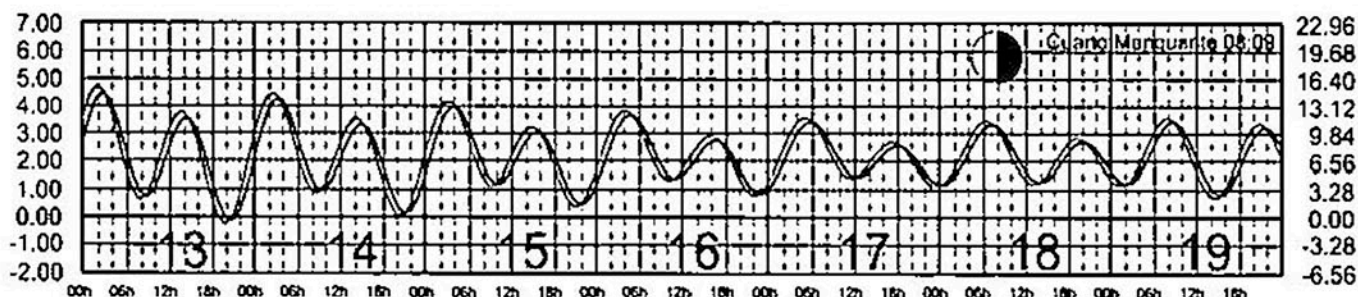
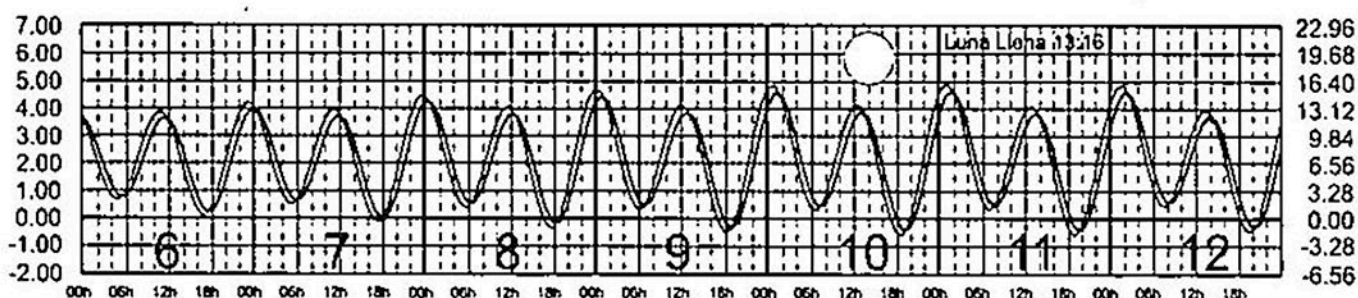
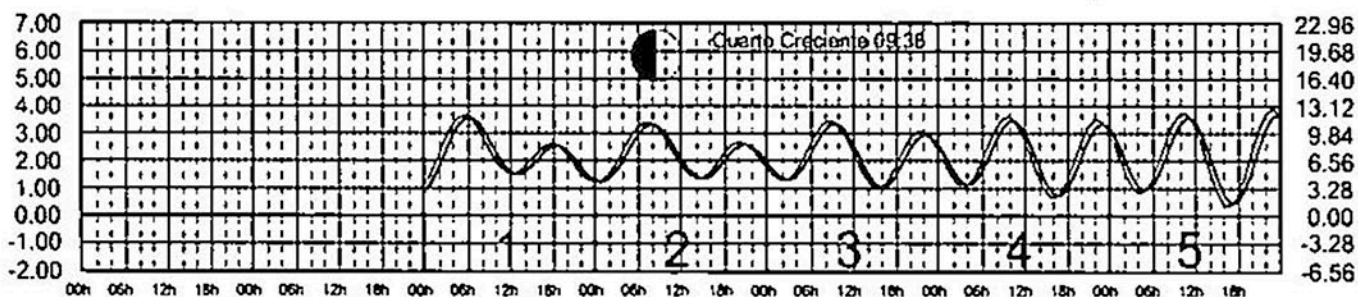
Hora del Meridiano 105°(W)  
 Hora del Meridiano 120°(W)

Plano de Referencia NBM1

PTO. PEÑASCO, SON.  
 SAN FELIPE, B.C.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



# FEBRERO, 2011

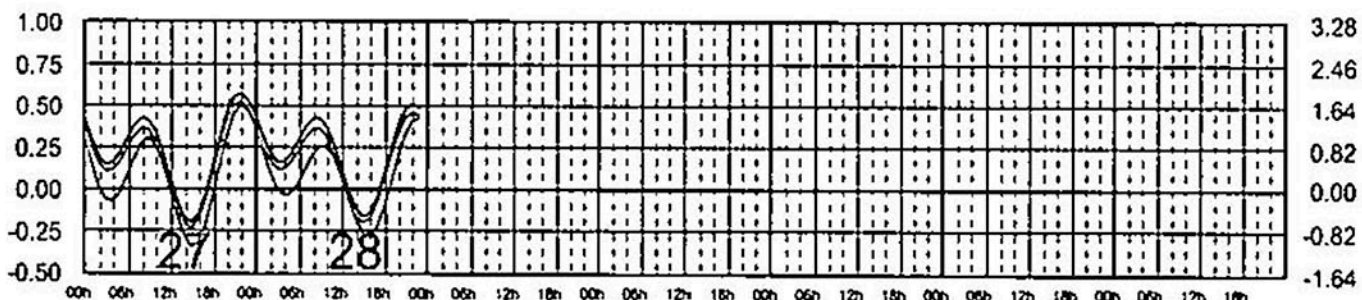
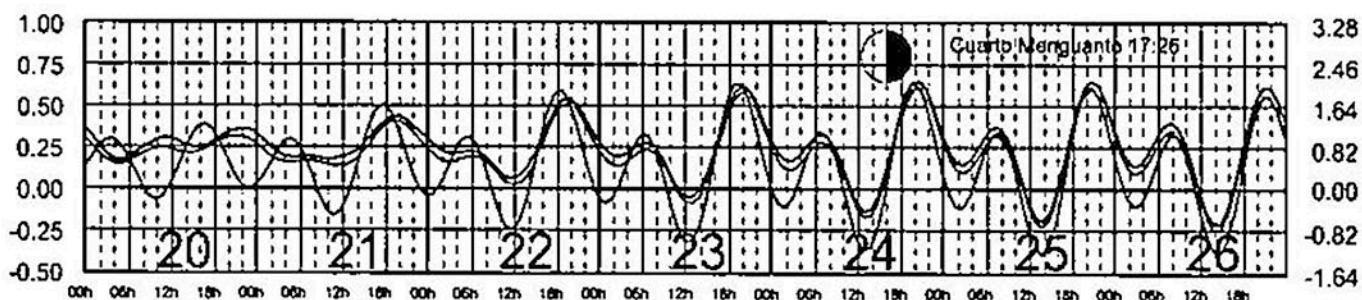
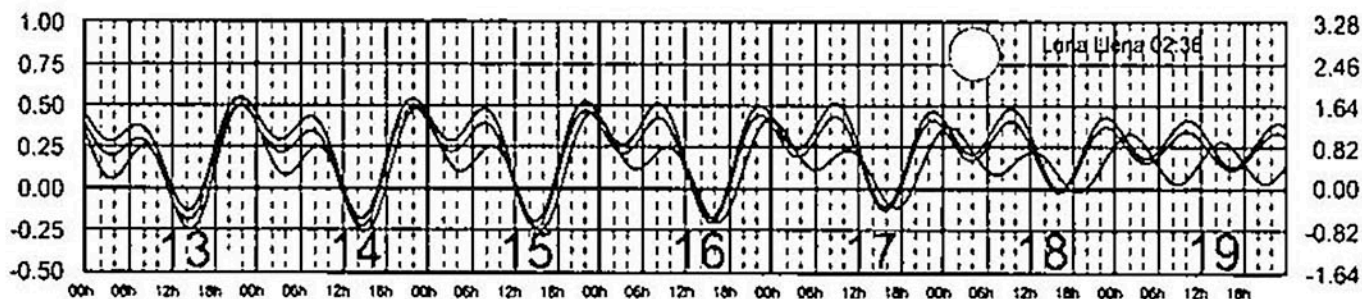
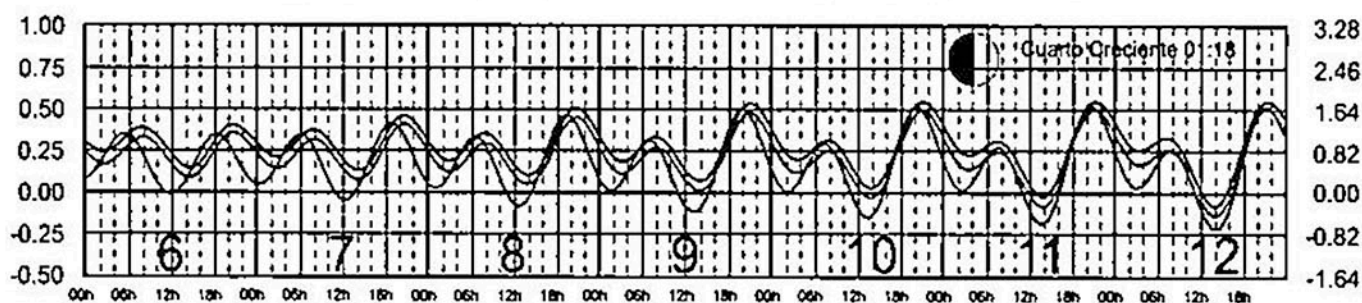
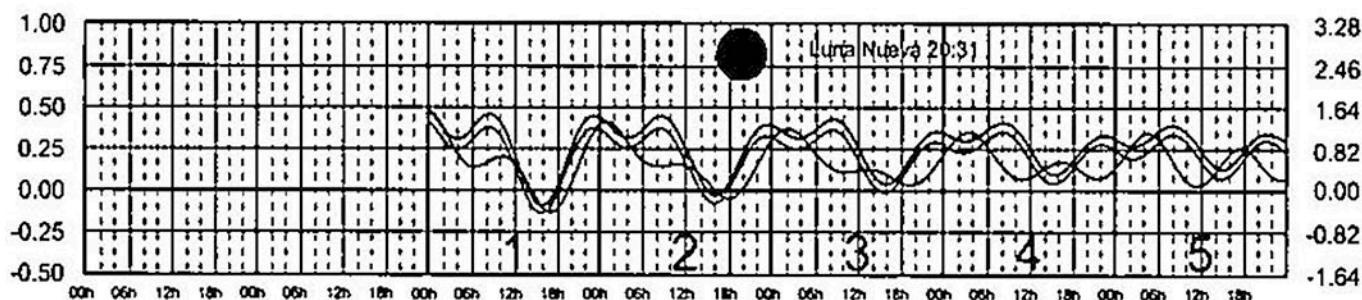
Hora del Meridiano 90°(W)

Plano de Referencia NBMI

L. CÁRDENAS, MICH.  
ZIHUATANEJO, GRO.  
ACAPULCO, GRO.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES





# DICIEMBRE, 2011

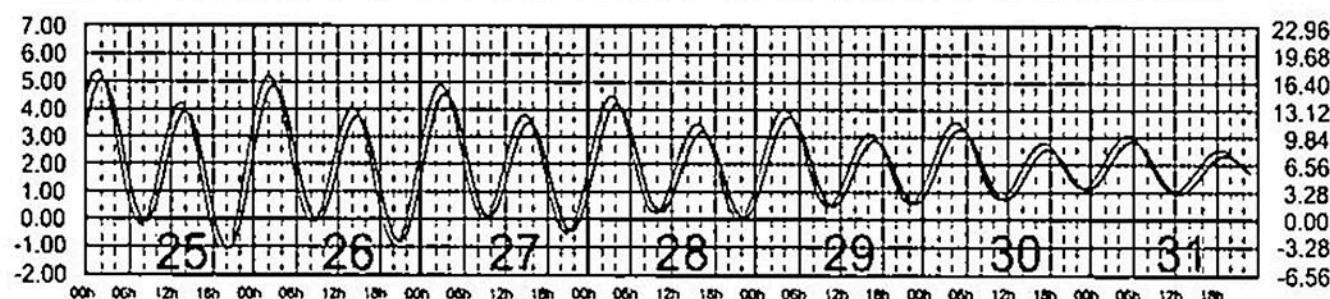
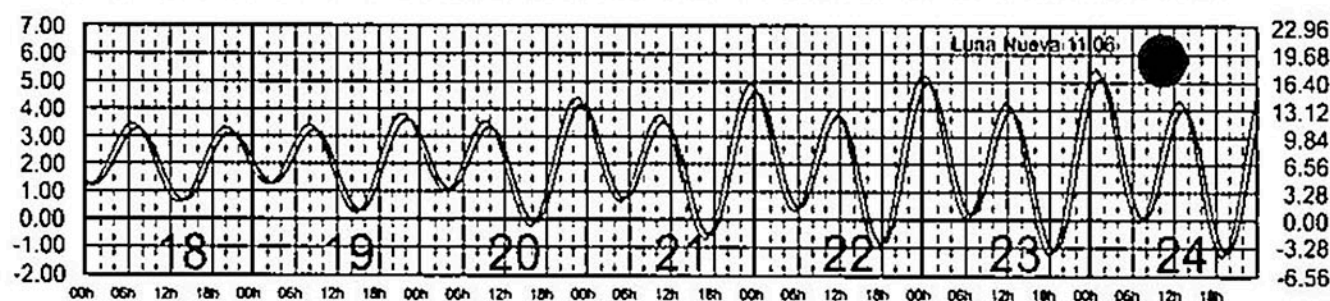
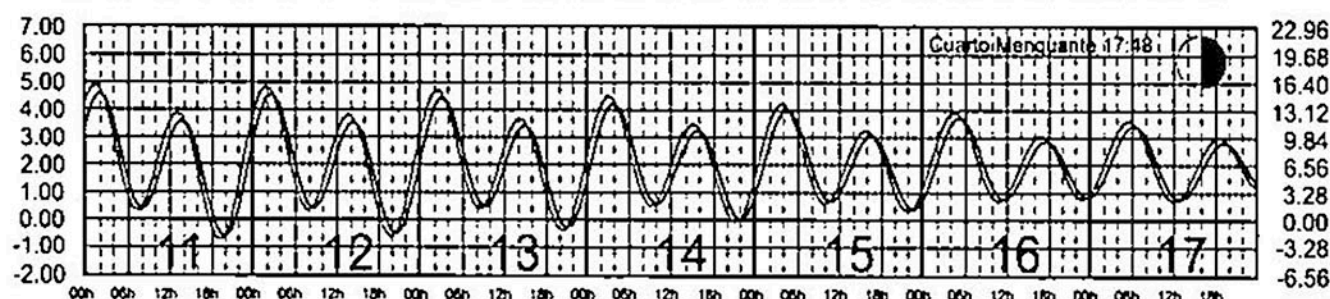
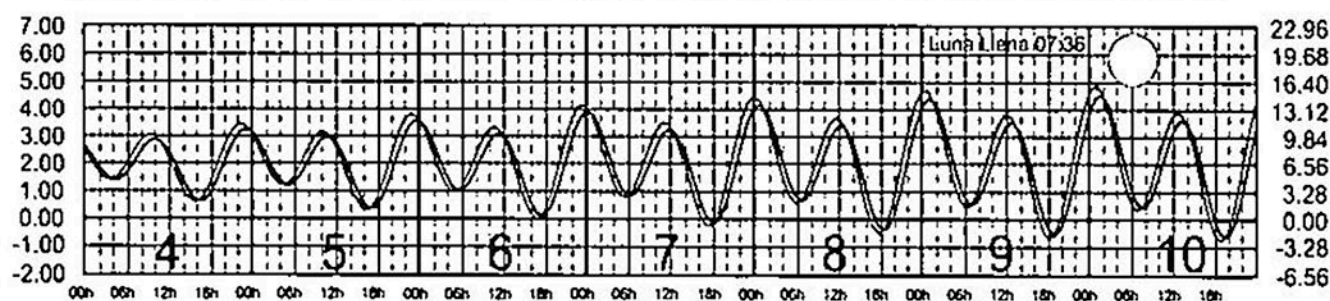
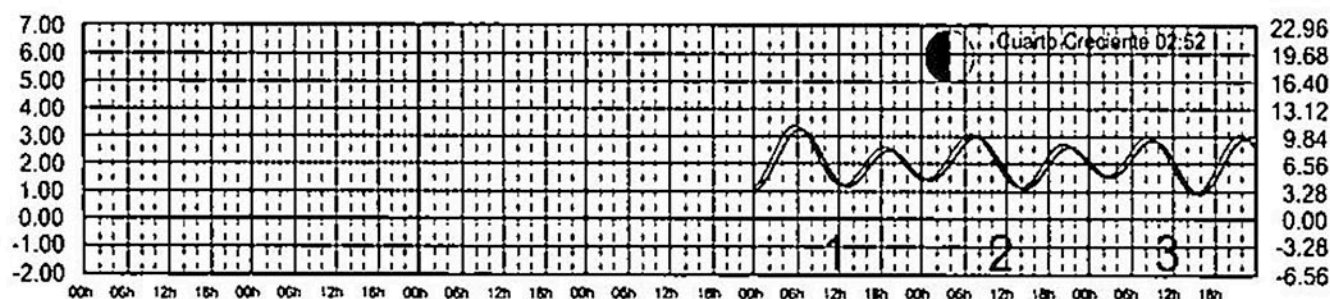
Hora del Meridiano 105°(W)  
 Hora del Meridiano 120°(W)

Plano de Referencia NBMI

PTO. PEÑASCO, SON.  
 SAN FELIPE, B.C.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



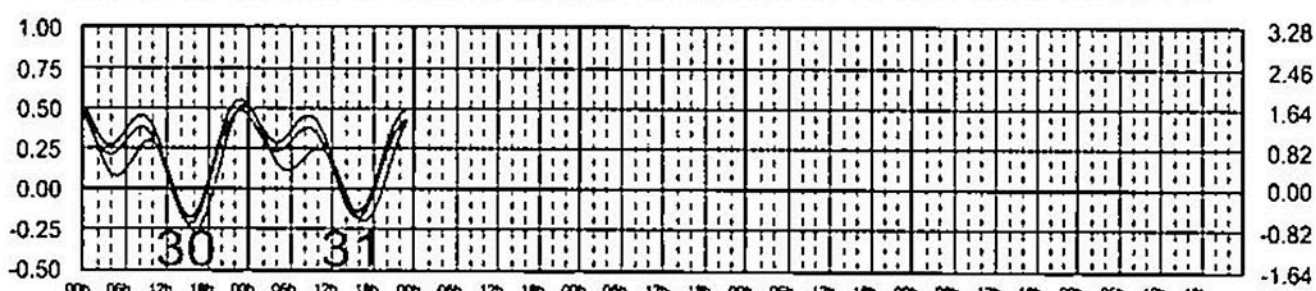
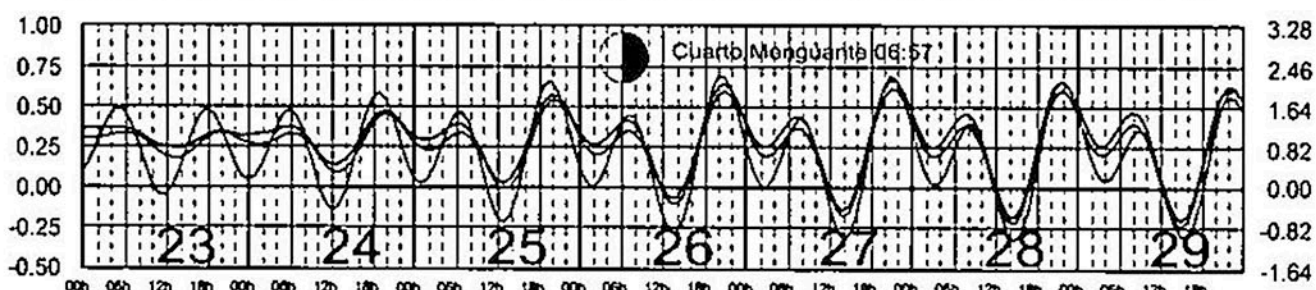
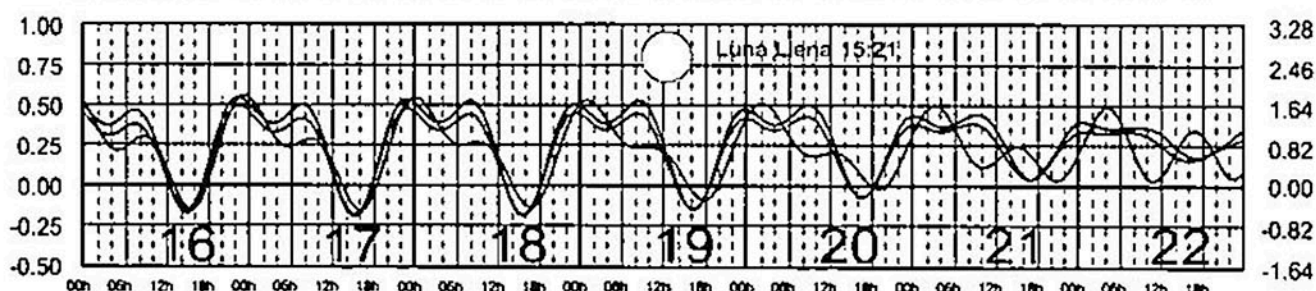
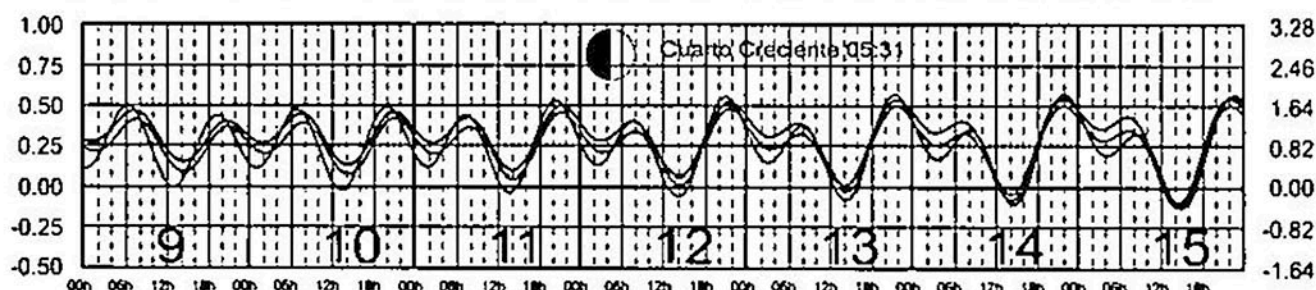
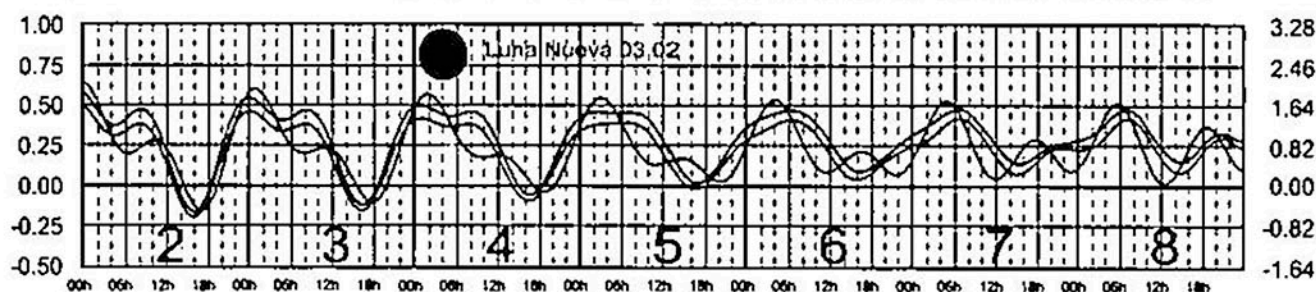
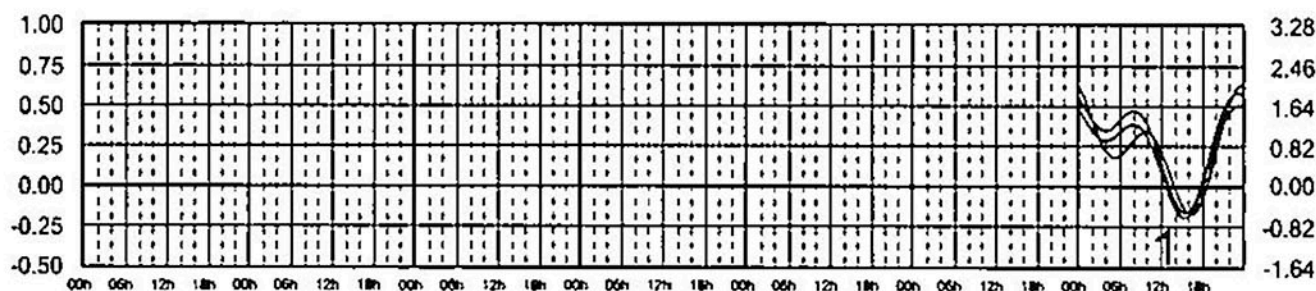
# ENERO, 2011

Hora del Meridiano 90°(W)

Plano de Referencia NBMI

L. CÁRDENAS, MICH. ———  
 ZIHUATANEJO, GRO. ———  
 ACAPULCO, GRO. ———

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



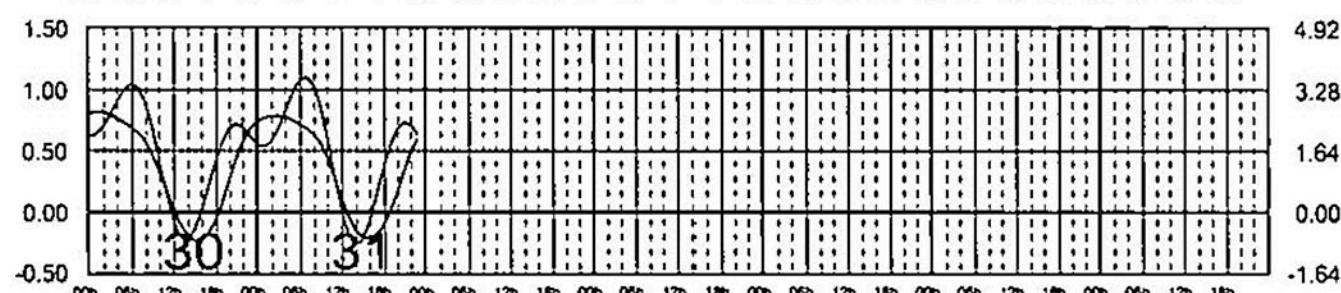
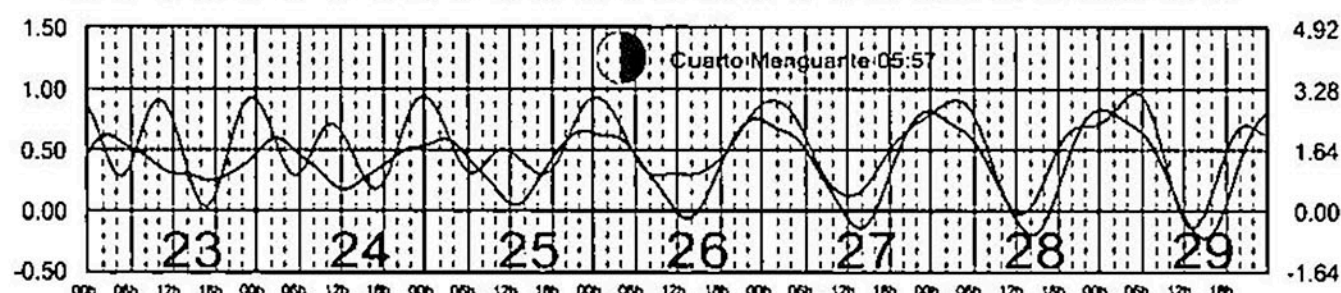
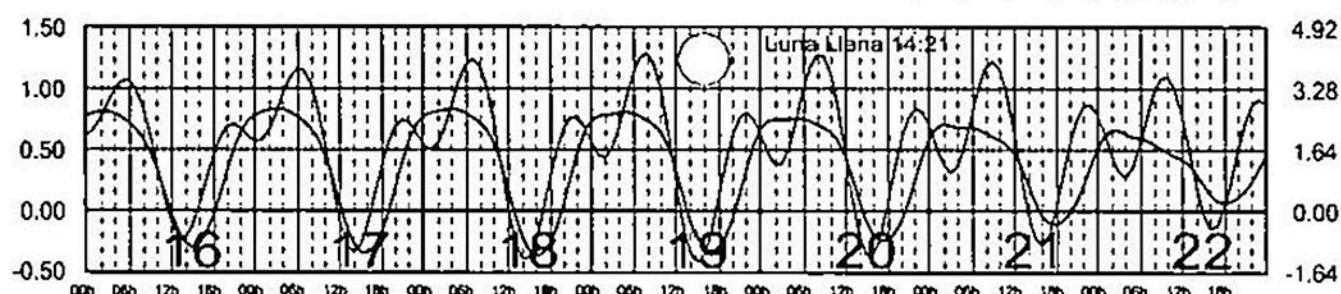
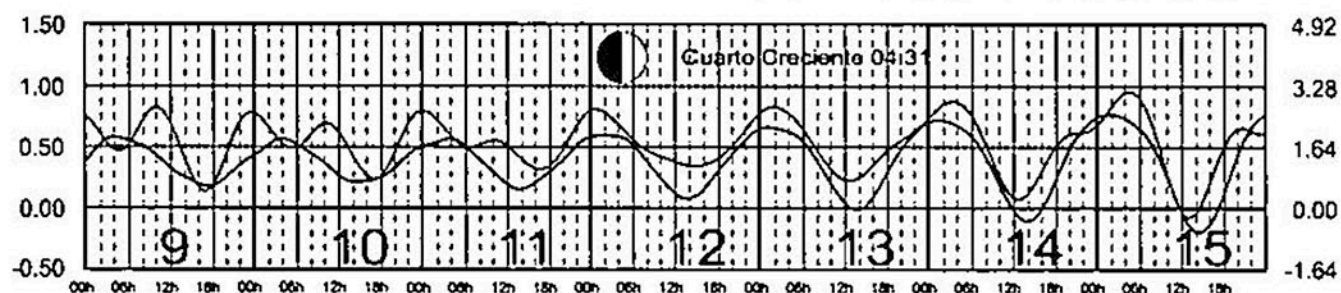
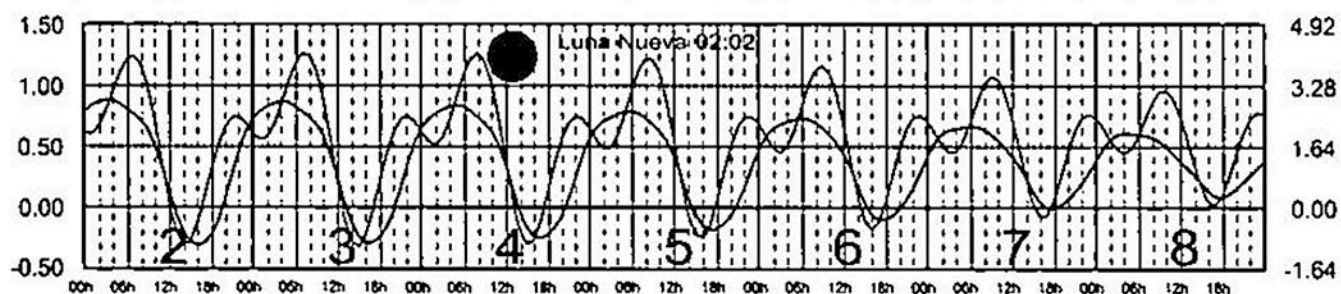
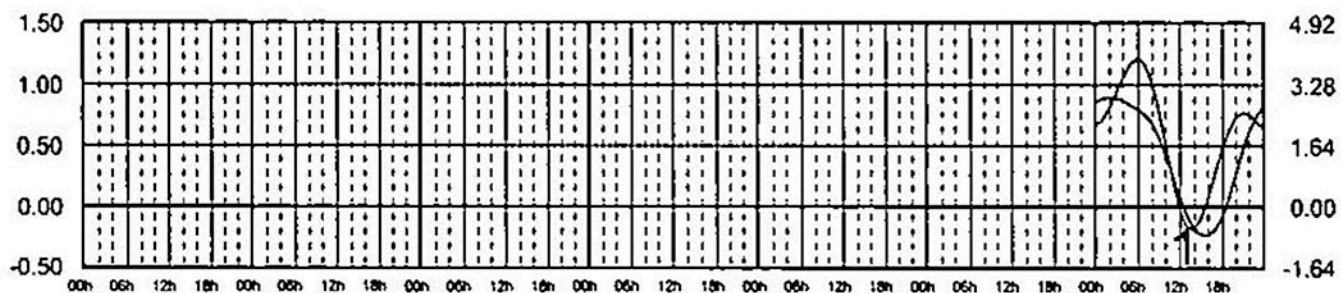
# ENERO, 2011

Hora del Meridiano 105°(W)

Plano de Referencia NBMI

SANTA ROSALIA, B.C.S. ———  
LA PAZ, B.C.S. ———

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES





# DICIEMBRE, 2011

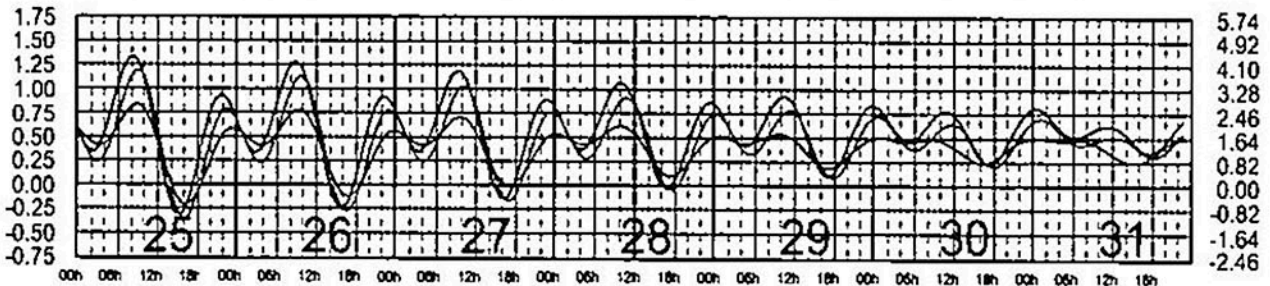
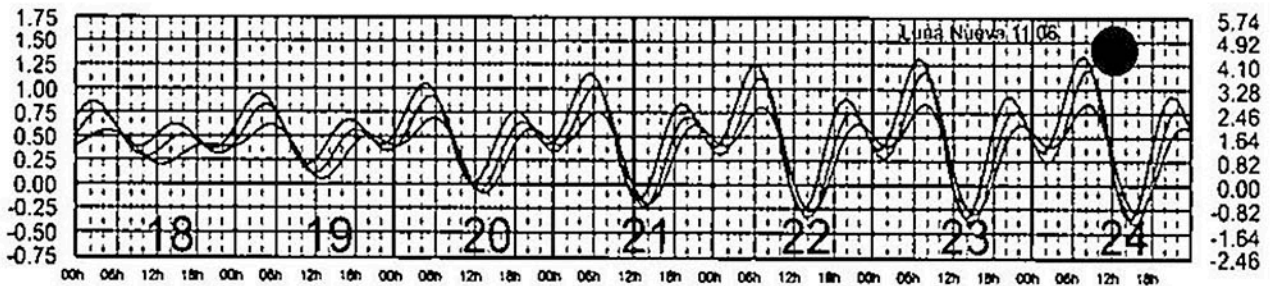
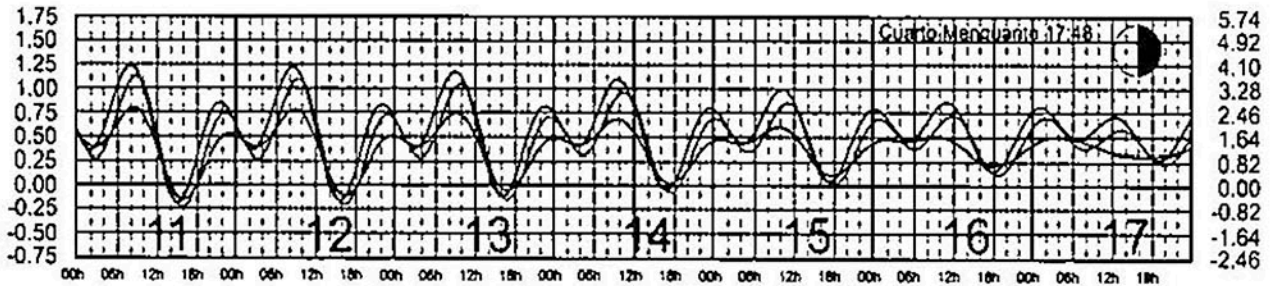
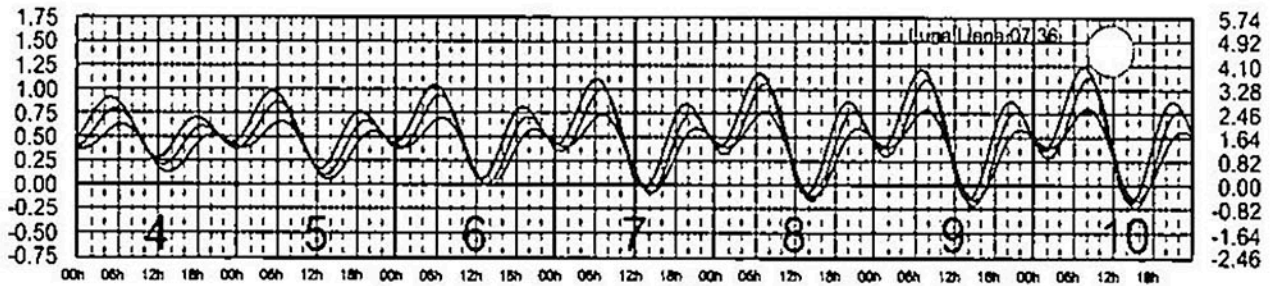
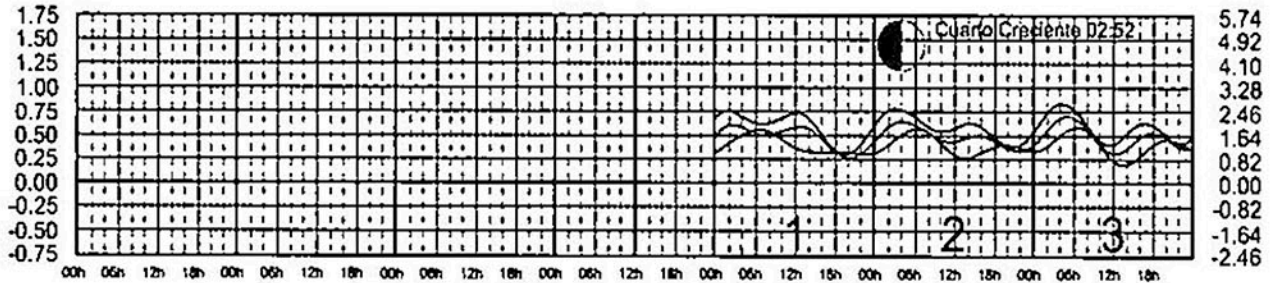
Hora del Meridiano 105°(W)  
 Hora del Meridiano 90°(W)  
 Hora del Meridiano 90°(W)

Plano de Referencia NBMI

SAN BLAS, NAY.  
 PTO. VALLARTA, JAL.  
 MANZANILLO, COL.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



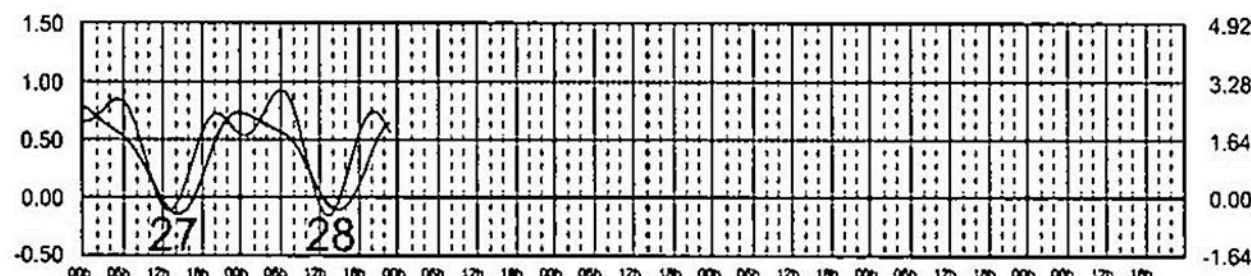
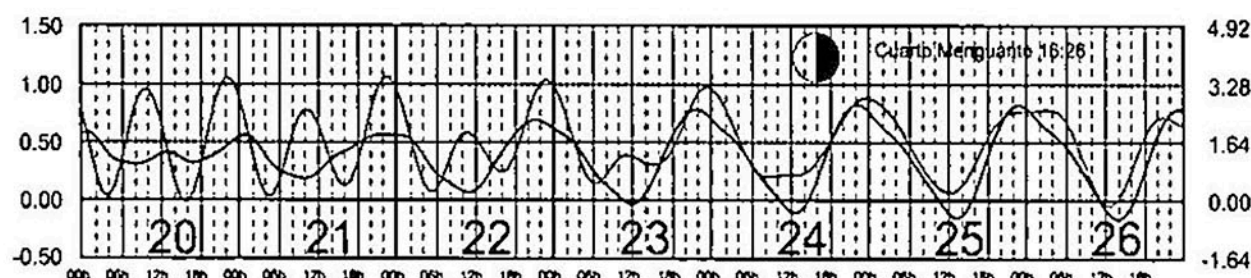
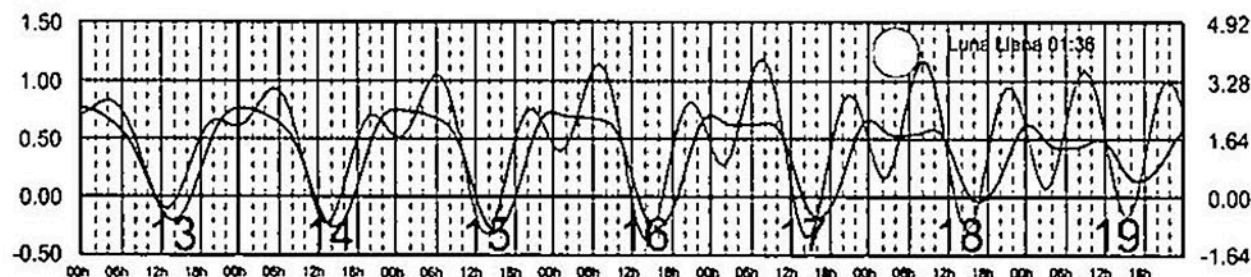
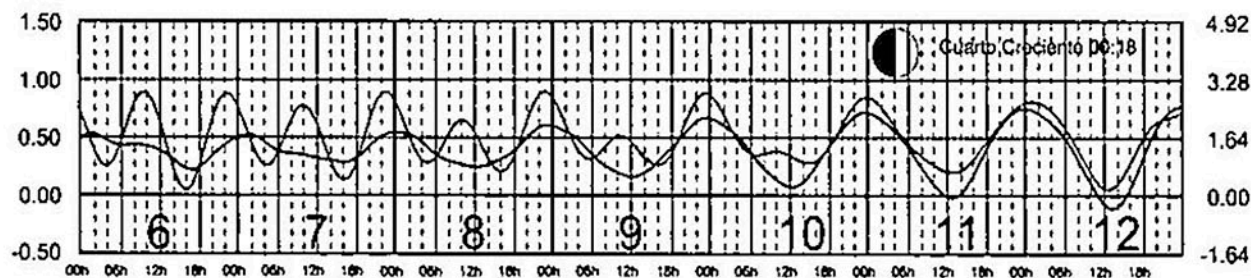
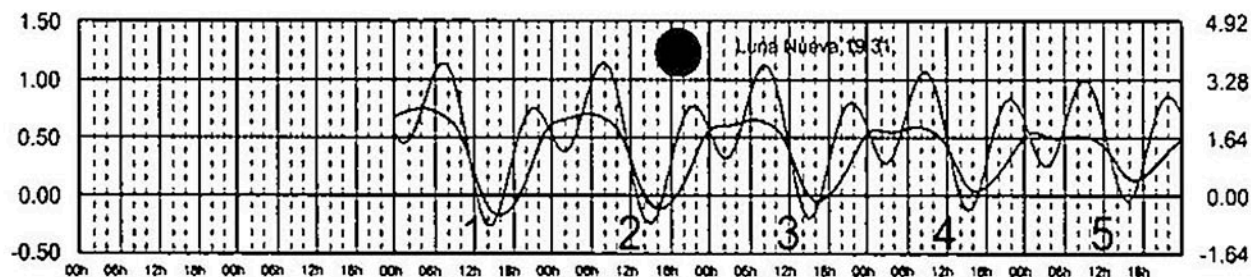
# FEBRERO, 2011

Hora del Meridiano 105°(W)

Plano de Referencia NBMI

SANTA ROSALIA, B.C.S. ———  
LA PAZ, B.C.S. ———

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



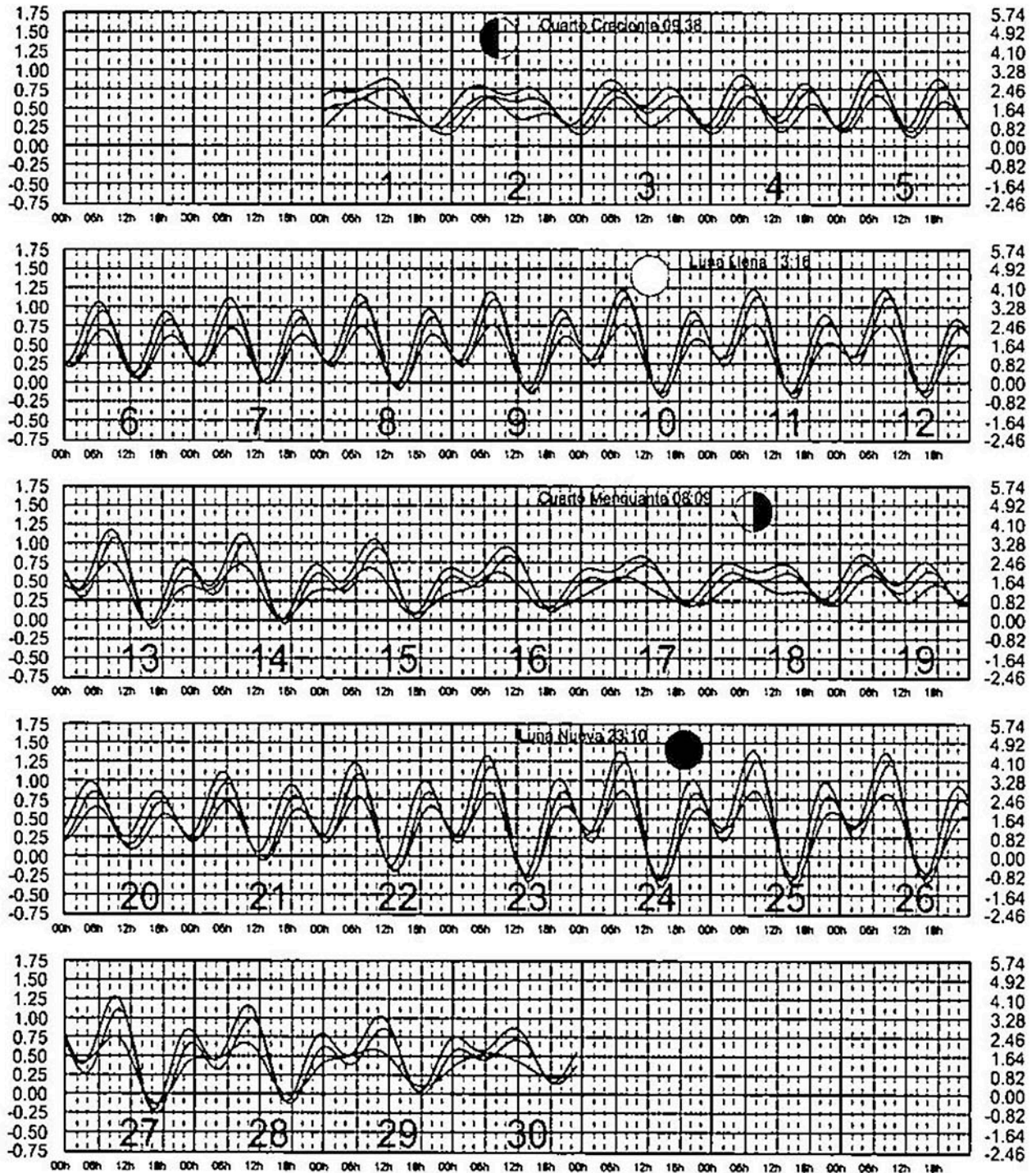
# NOVIEMBRE, 2011

Hora del Meridiano 105°(W)  
 Hora del Meridiano 90°(W)  
 Hora del Meridiano 90°(W)

Plano de Referencia NBMI

SAN BLAS, NAY.  
 PTO. VALLARTA, JAL.  
 MANZANILLO, COL.

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES





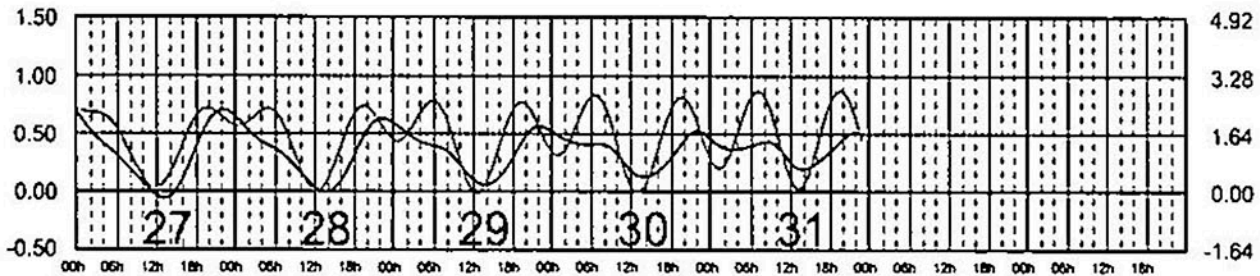
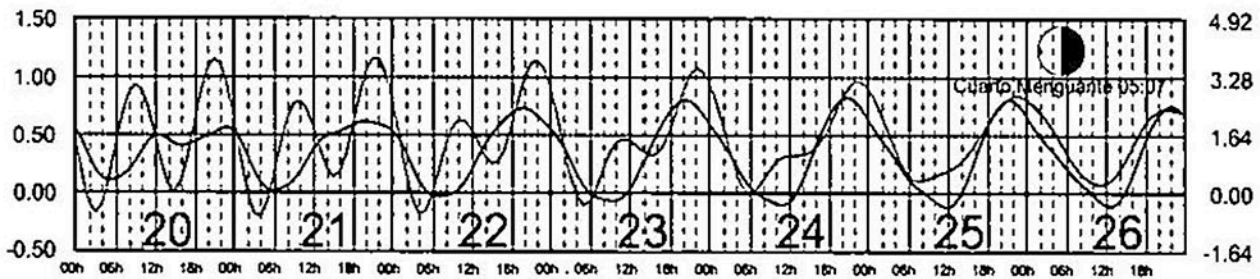
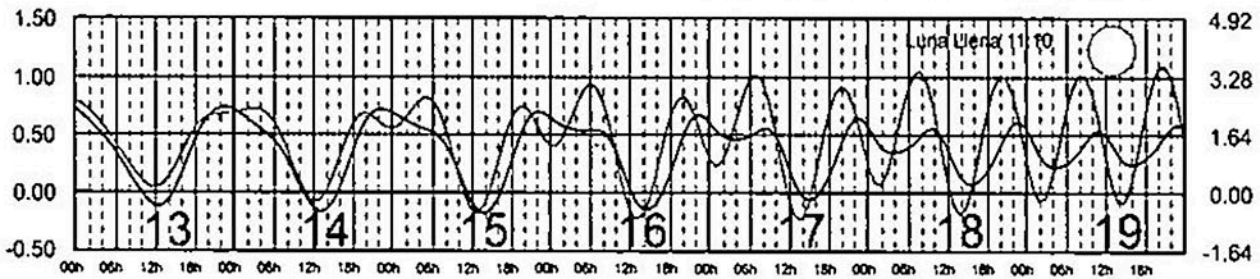
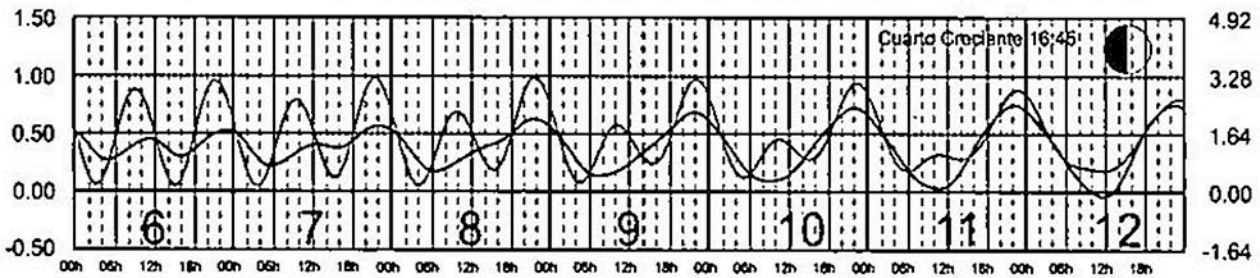
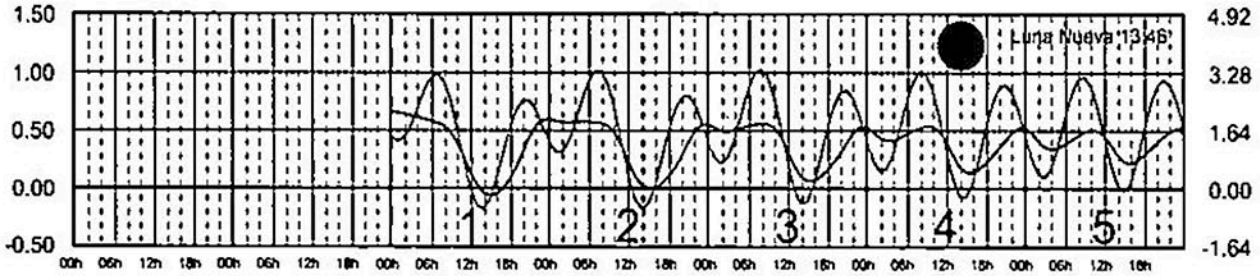
# MARZO, 2011

Hora del Meridiano 105°(W)

Plano de Referencia NBMI

SANTA ROSALIA, B.C.S. ———  
LA PAZ, B.C.S. ———

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



# OCTUBRE, 2011

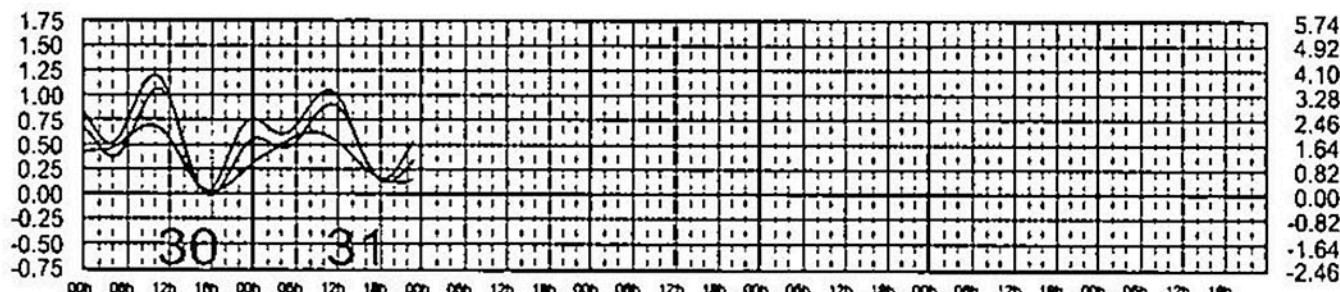
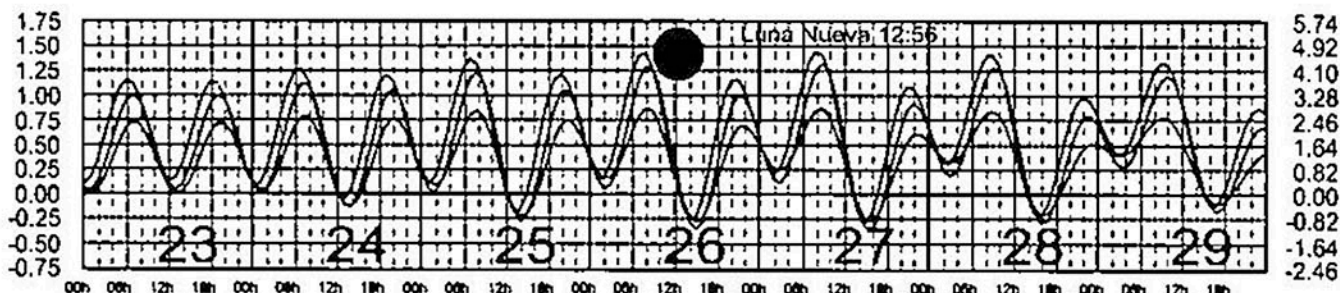
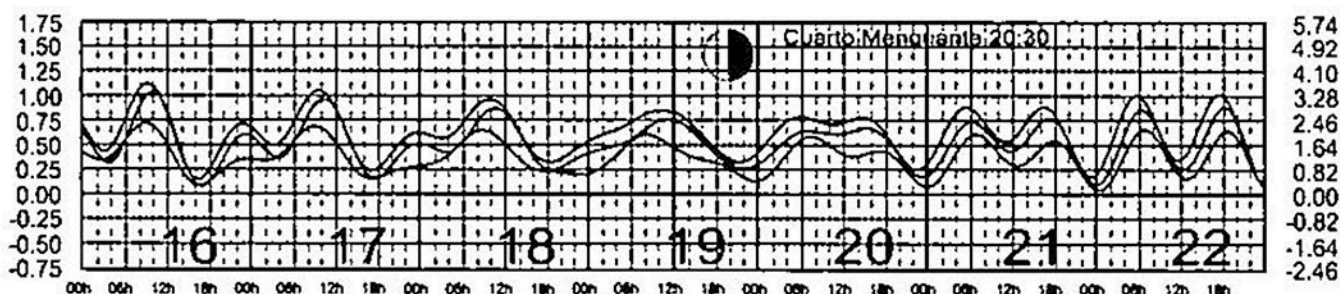
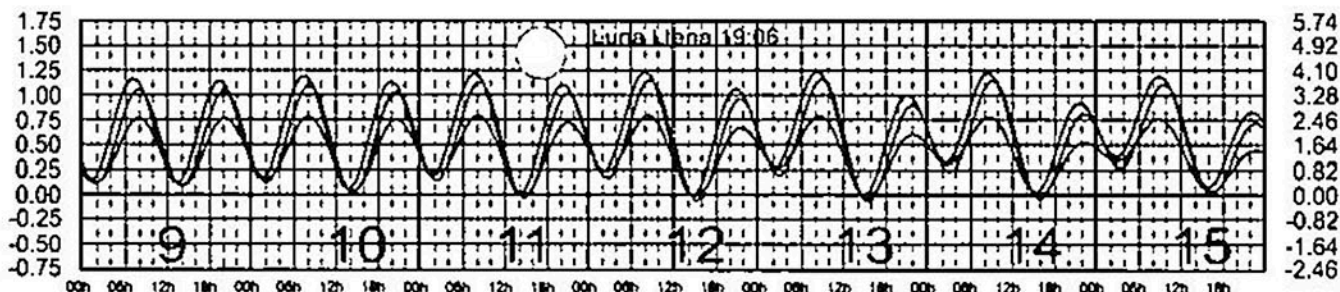
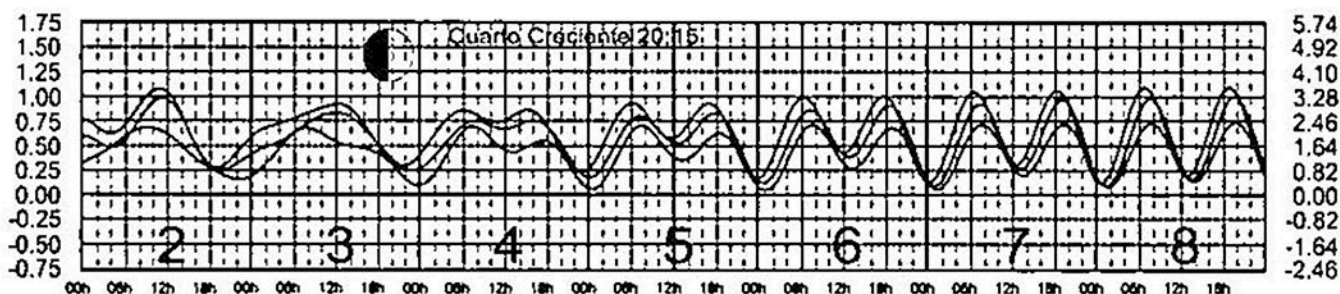
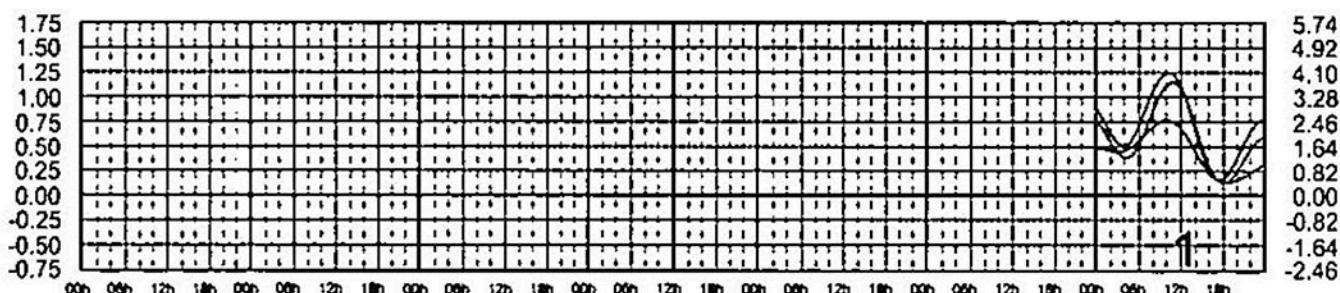
Hora del Meridiano 105°(W)  
 Hora del Meridiano 90°(W)  
 Hora del Meridiano 90°(W)

Plano de Referencia NBM1

SAN BLAS, NAY.  
 PTO. VALLARTA, JAL.  
 MANZANILLO, COL.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



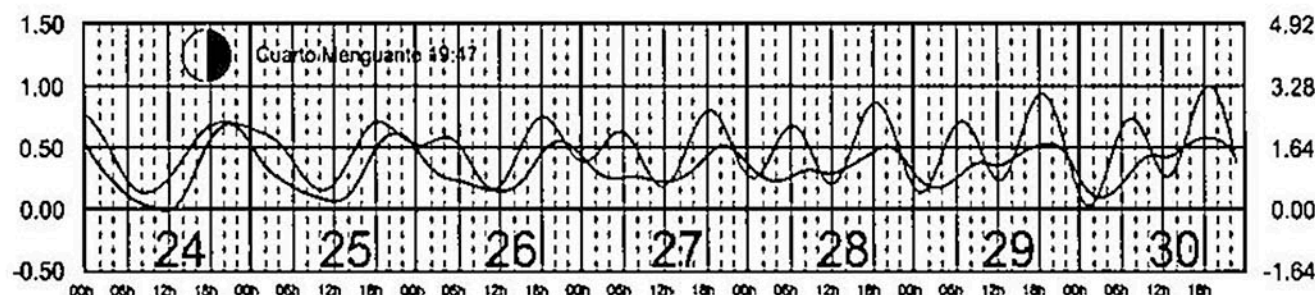
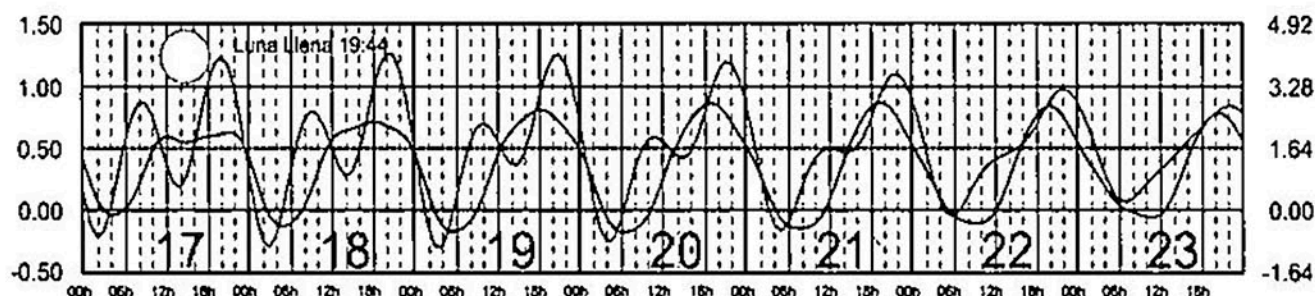
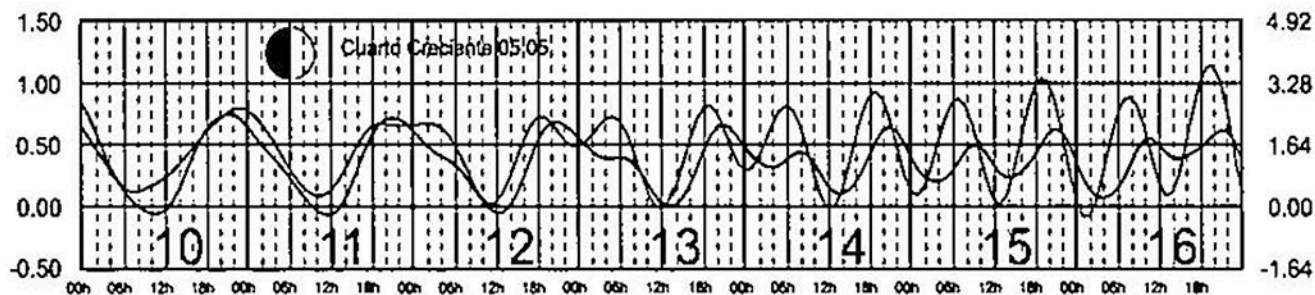
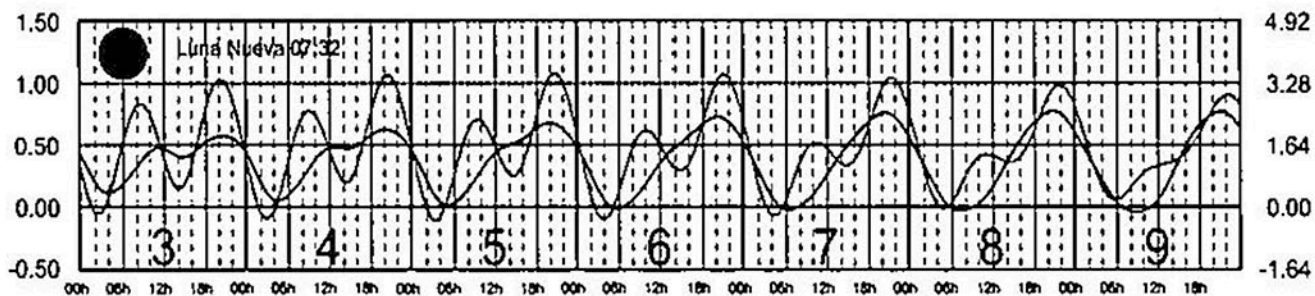
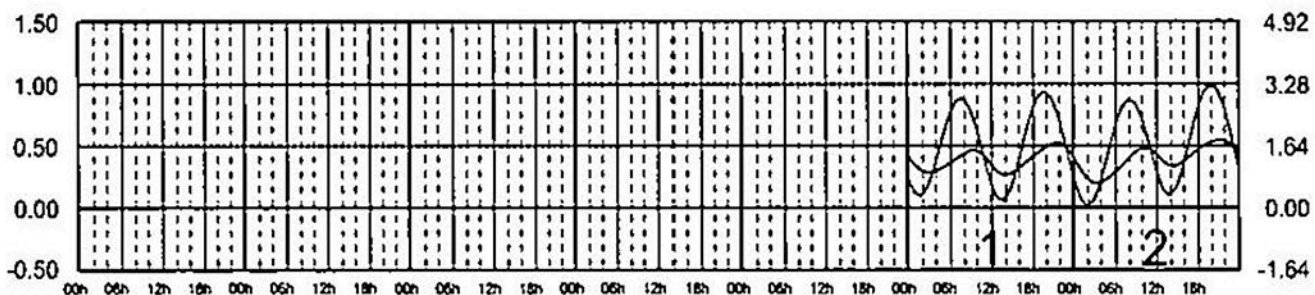
# ABRIL, 2011

Hora del Meridiano 105°(W)

Plano de Referencia NBMI

SANTA ROSALIA, B.C.S.         
LA PAZ, B.C.S.       

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES





# SEPTIEMBRE, 2011

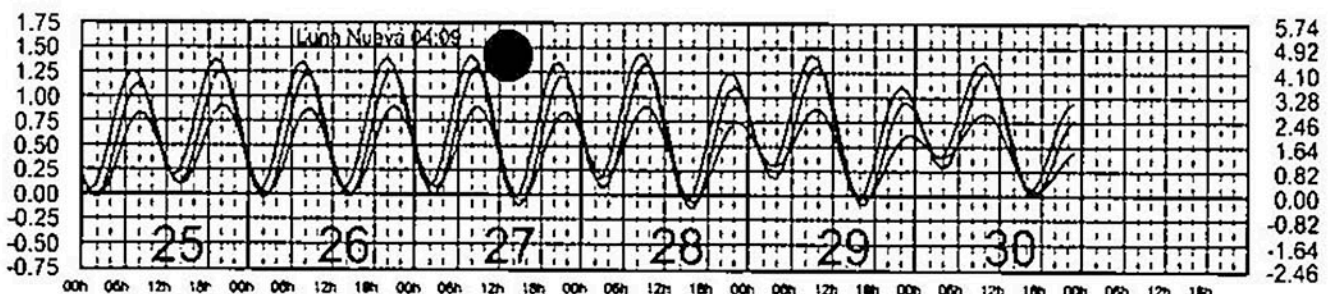
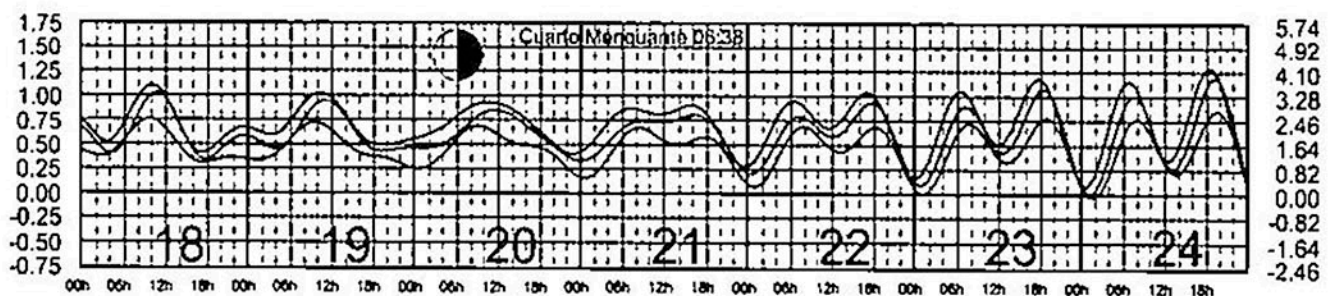
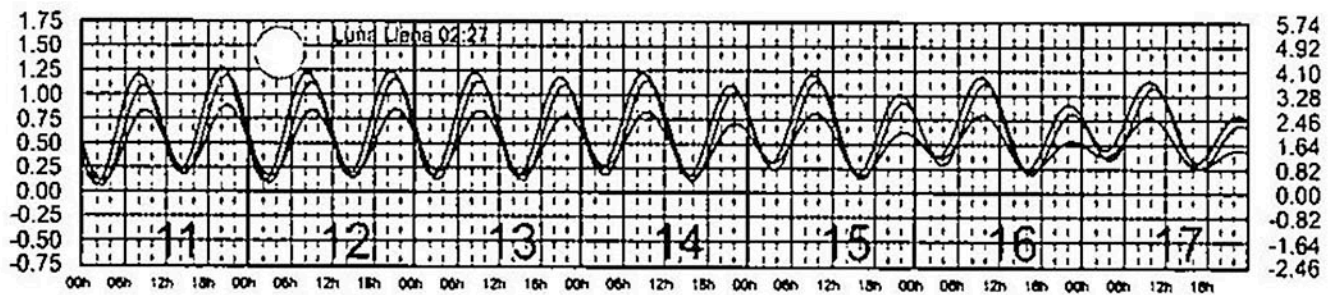
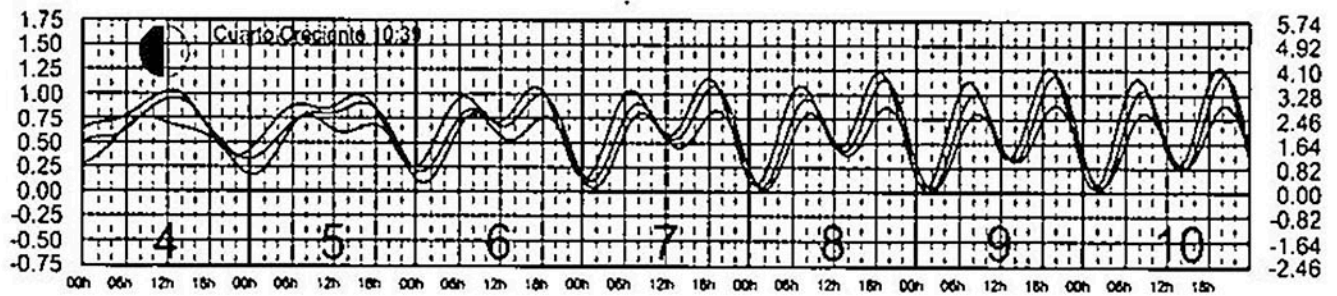
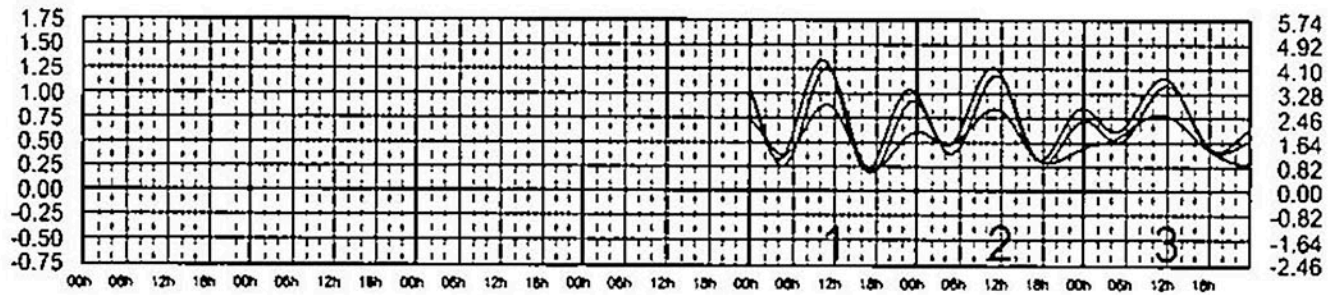
Hora del Meridiano 105°(W)  
 Hora del Meridiano 90°(W)  
 Hora del Meridiano 90°(W)

Plano de Referencia NBMI

SAN BLAS, NAY.  
 PTO. VALLARTA, JAL.  
 MANZANILLO, COL.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



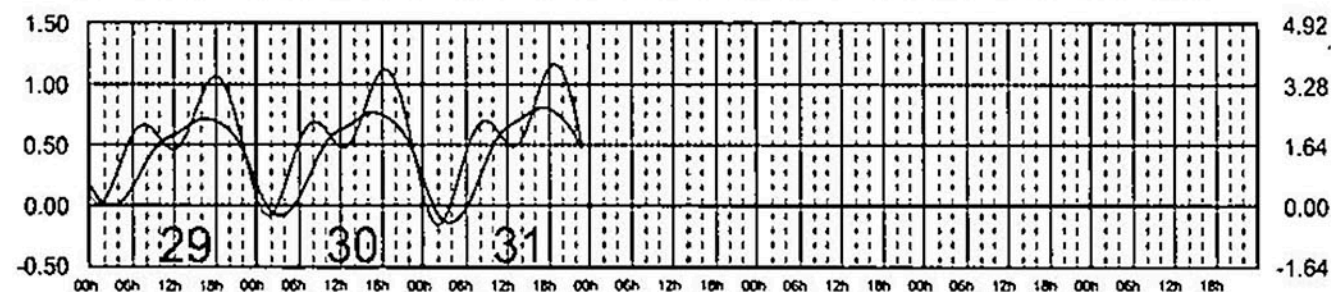
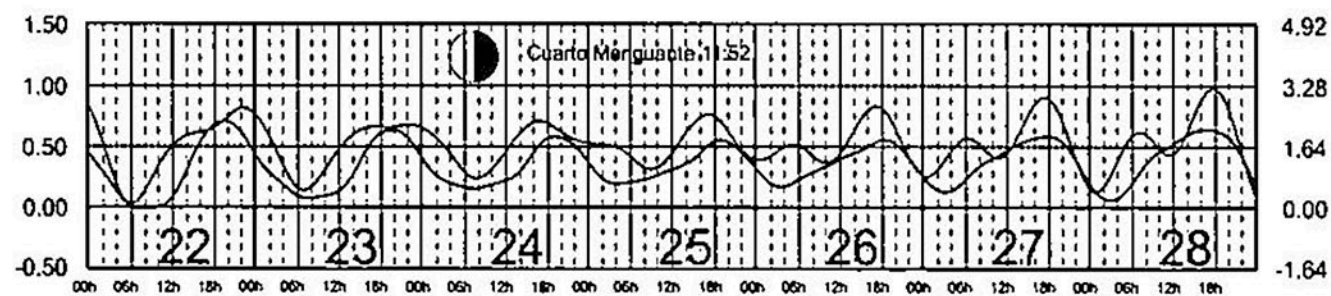
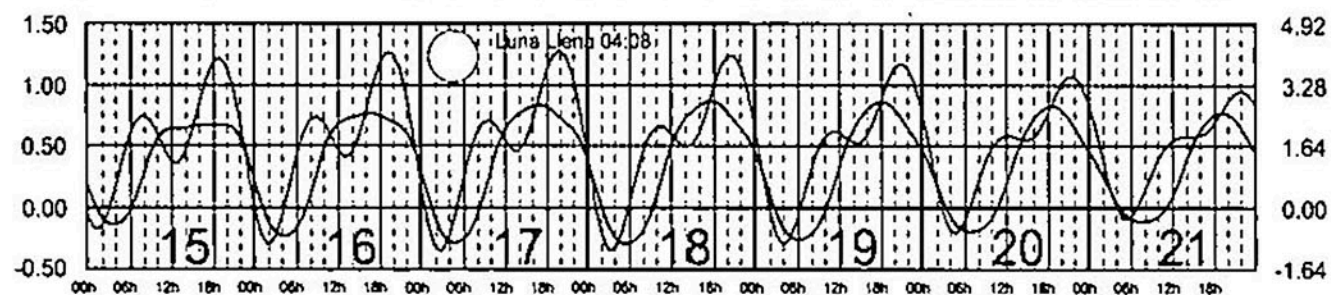
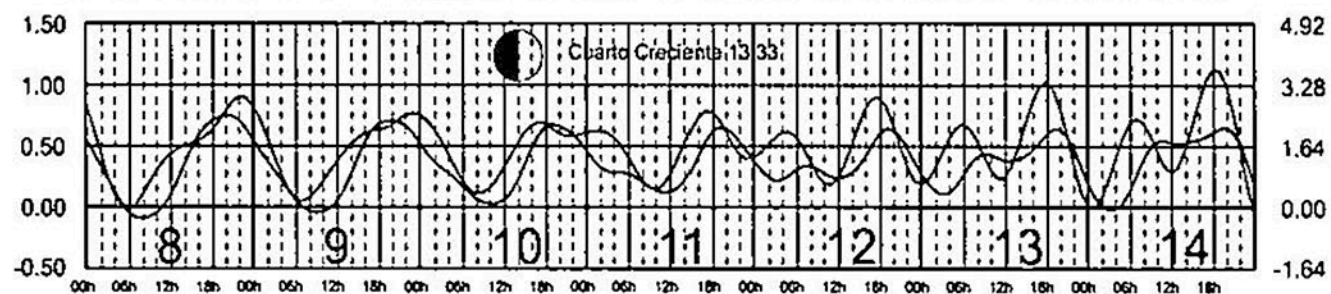
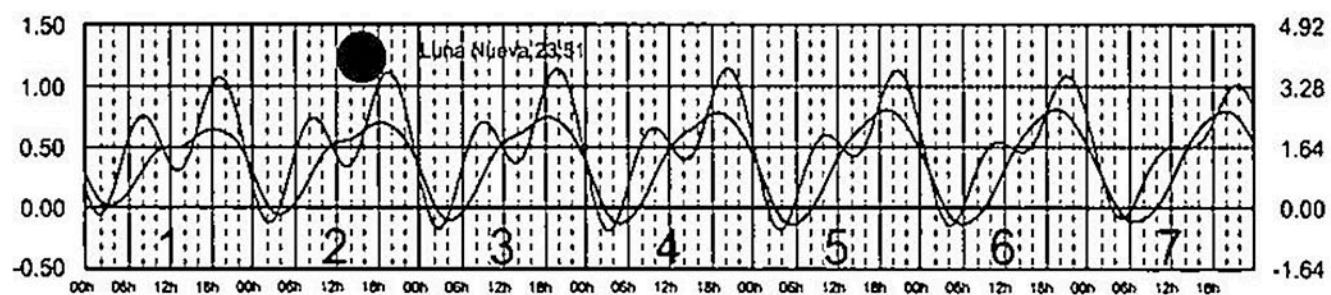
# MAYO, 2011

Hora del Meridiano 105°(W)

Plano de Referencia NBMI

SANTA ROSALIA, B.C.S. ———  
LA PAZ, B.C.S. ———

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



# AGOSTO, 2011

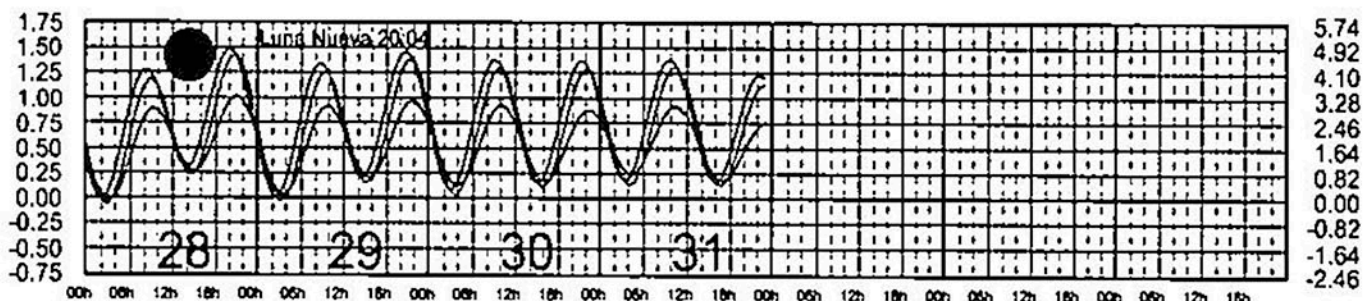
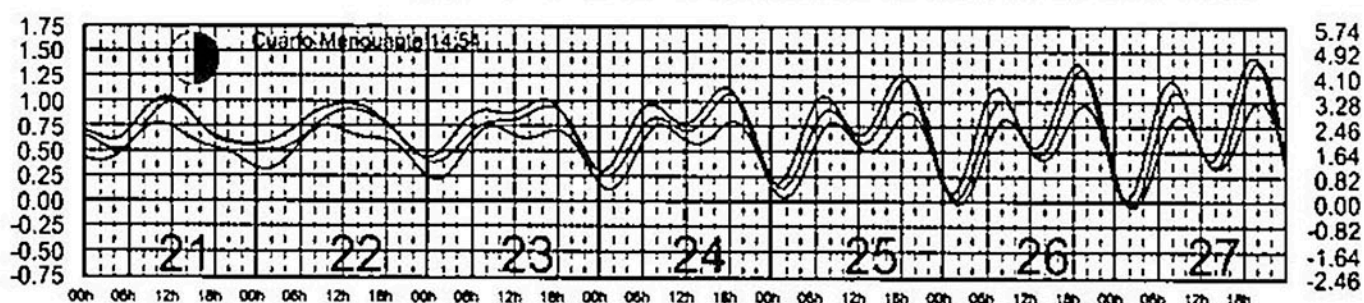
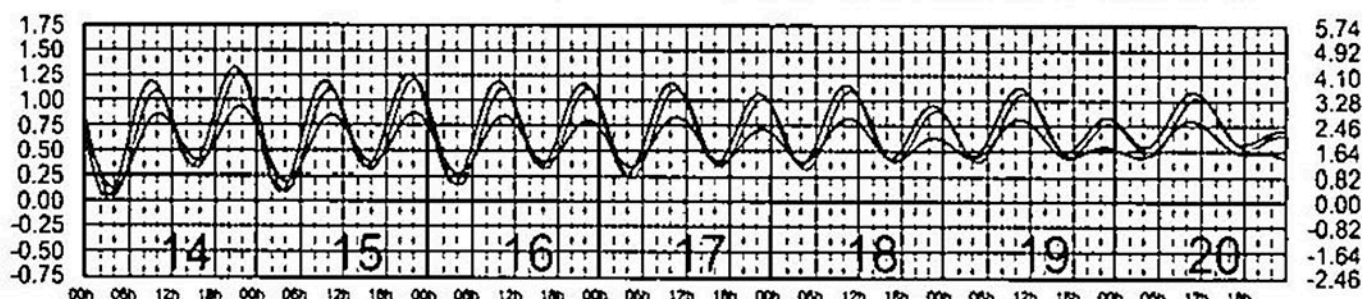
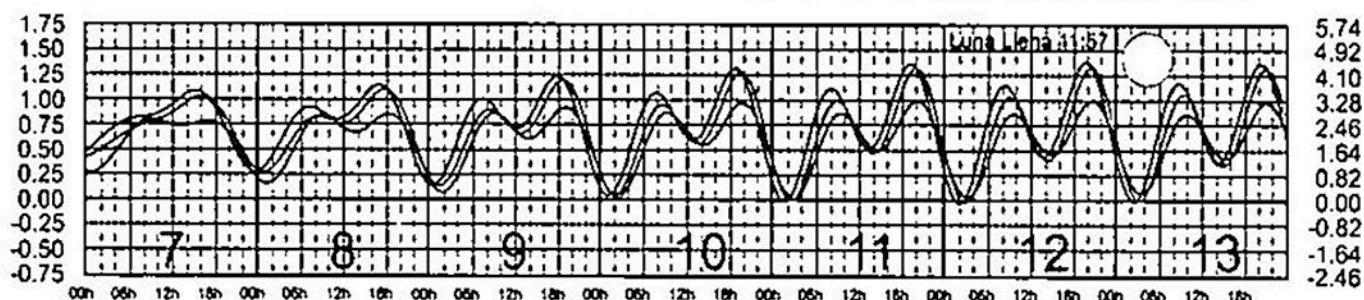
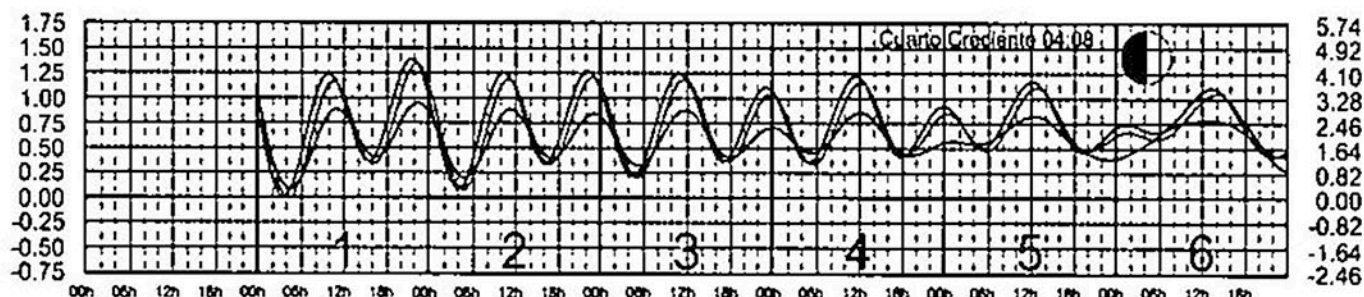
Hora del Meridiano 105°(W)  
 Hora del Meridiano 90°(W)  
 Hora del Meridiano 90°(W)

Plano de Referencia NBMI

SAN BLAS, NAY.  
 PTO. VALLARTA, JAL.  
 MANZANILLO, COL.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES







# JULIO, 2011

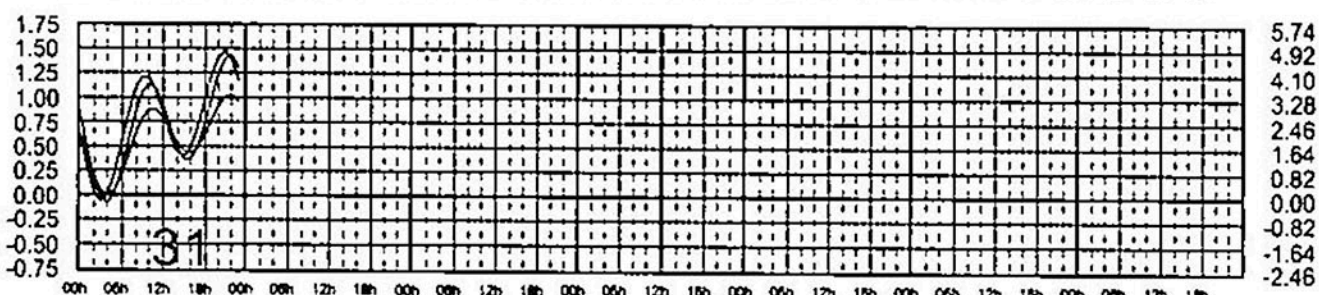
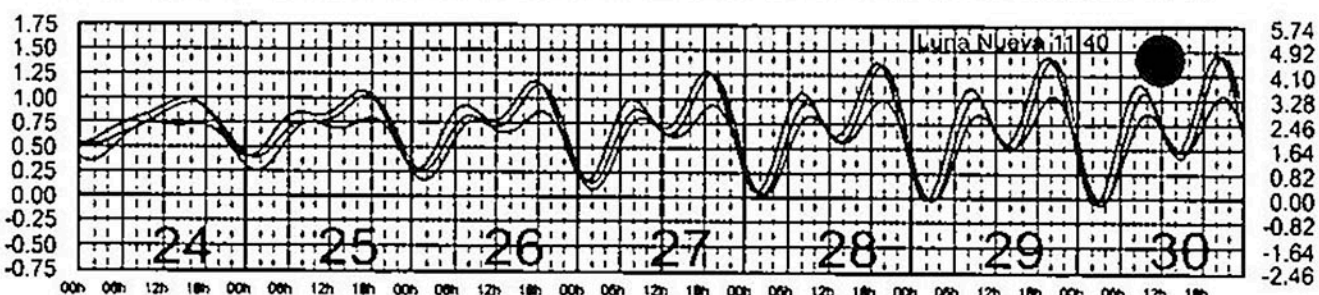
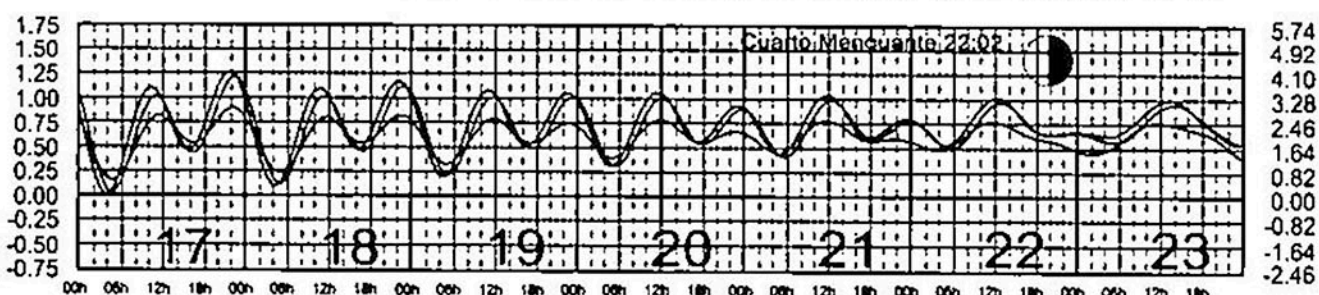
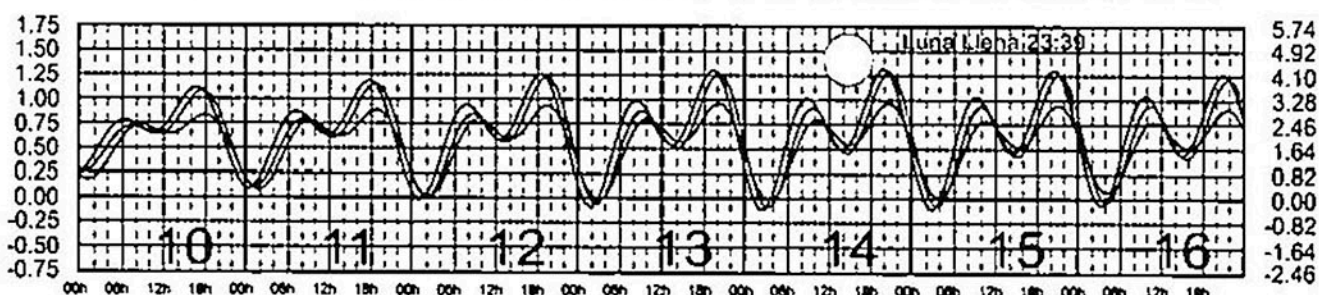
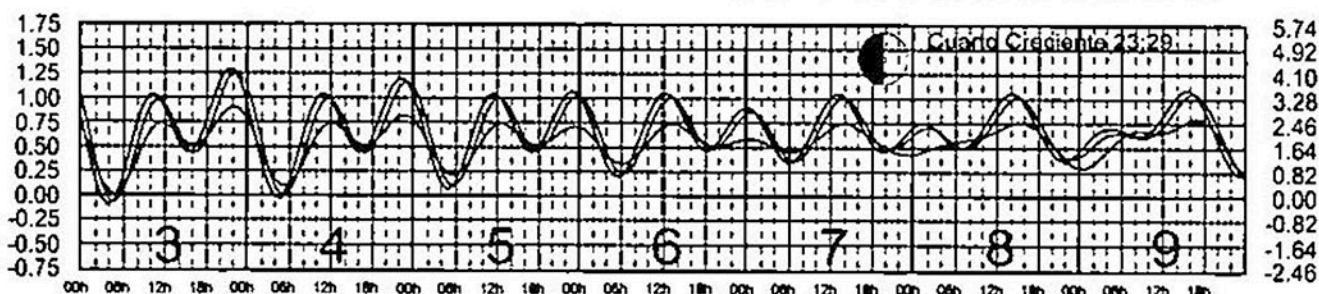
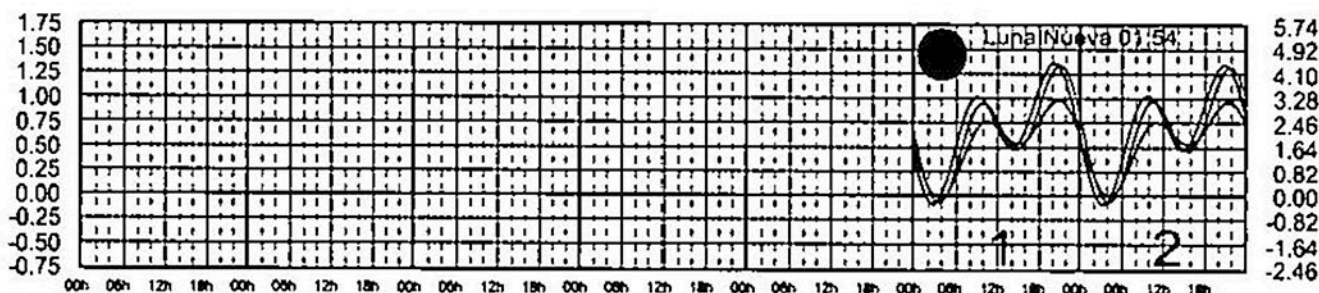
Hora del Meridiano 105°(W)  
 Hora del Meridiano 90°(W)  
 Hora del Meridiano 90°(W)

Plano de Referencia NBMI

SAN BLAS, NAY.  
 PTO. VALLARTA, JAL.  
 MANZANILLO, COL.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



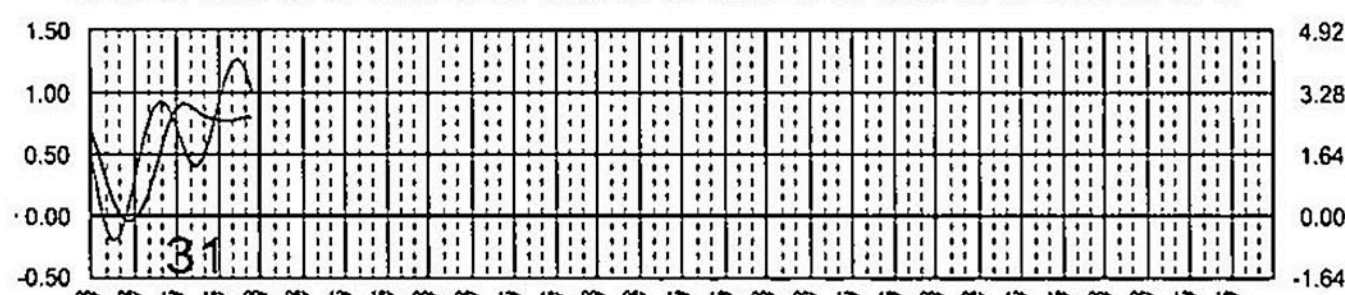
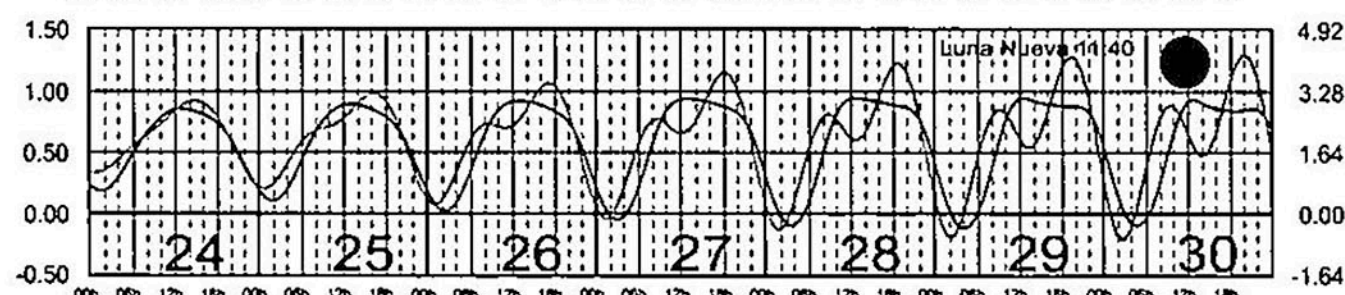
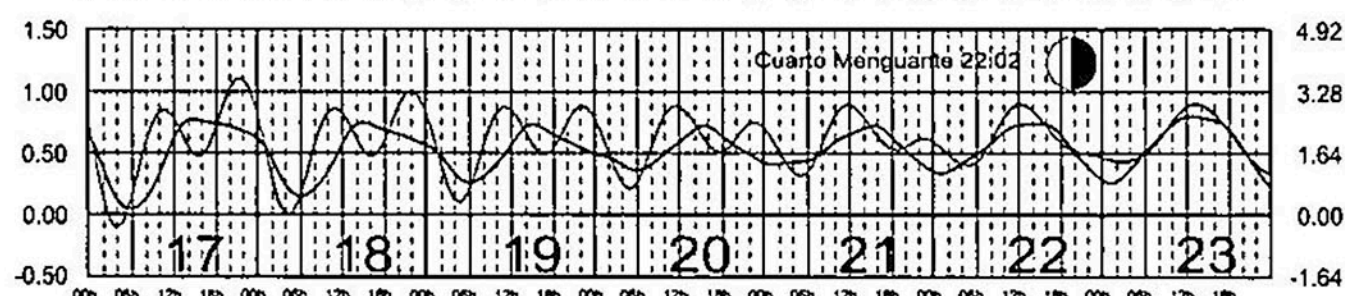
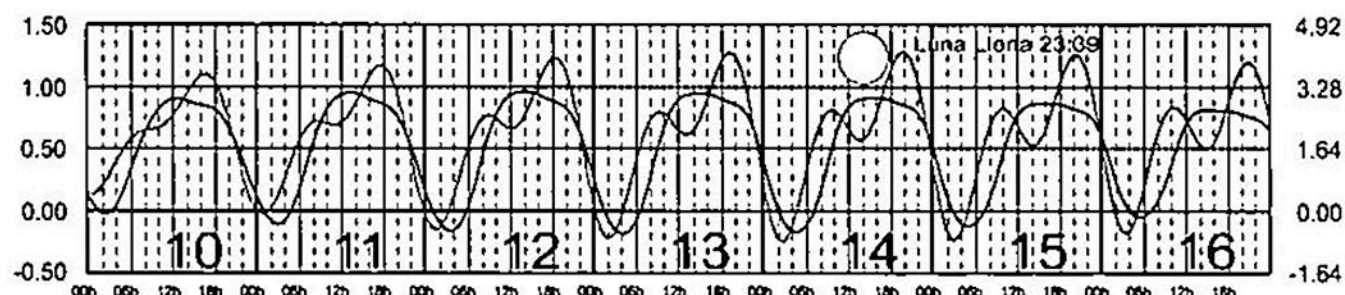
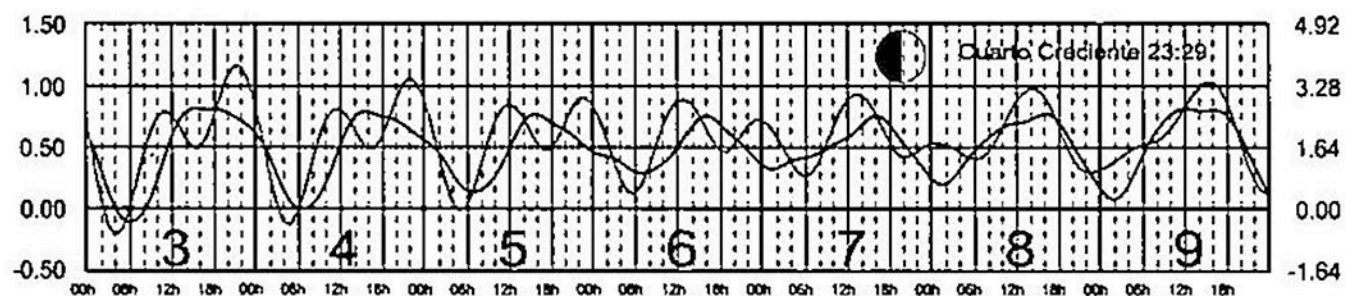
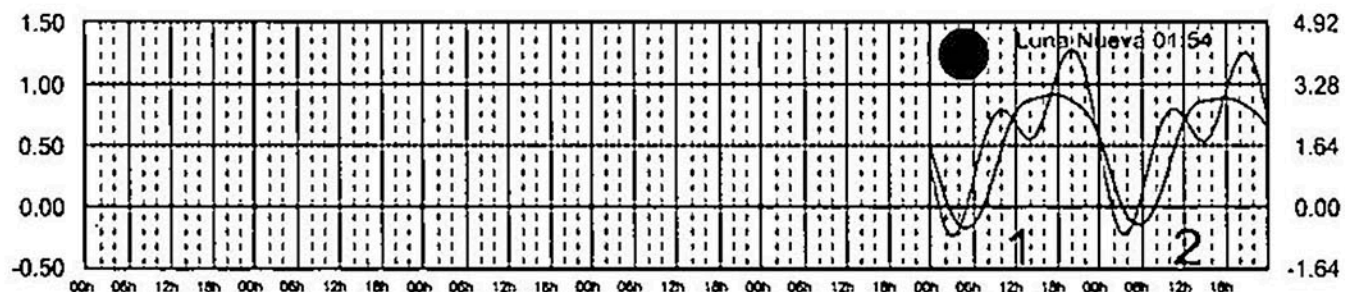
# JULIO, 2011

Hora del Meridiano 105°(W)

Plano de Referencia NBM1

SANTA ROSALIA, B.C.S. ———  
LA PAZ, B.C.S. ———

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES





# JUNIO, 2011

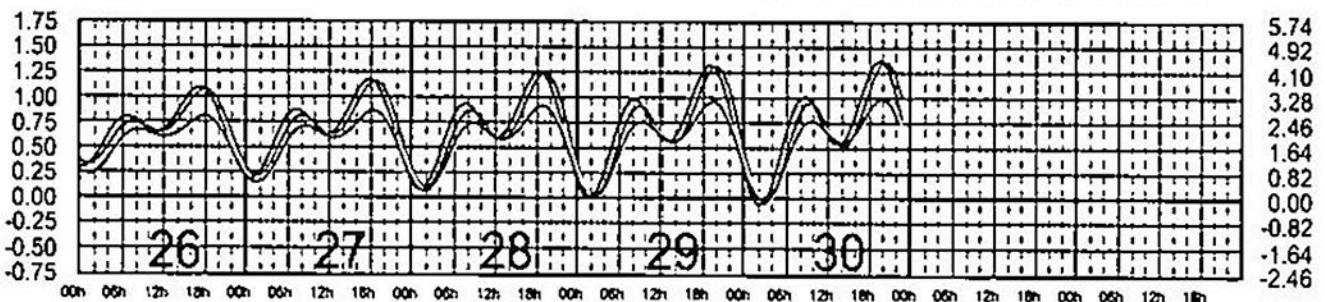
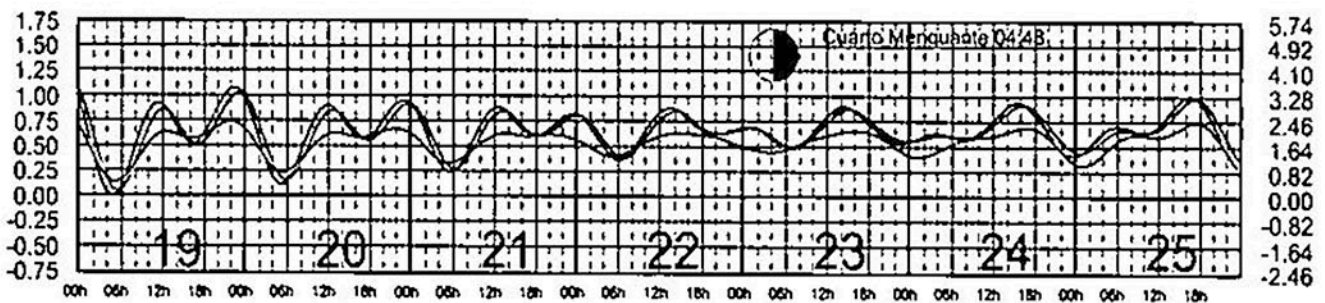
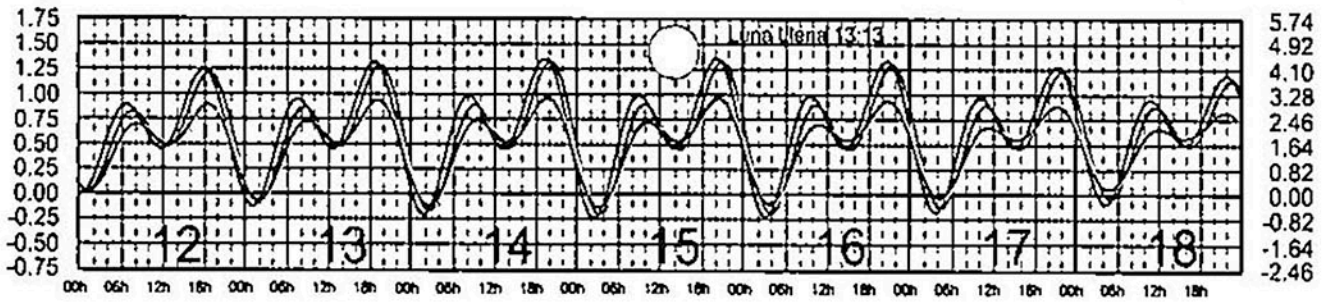
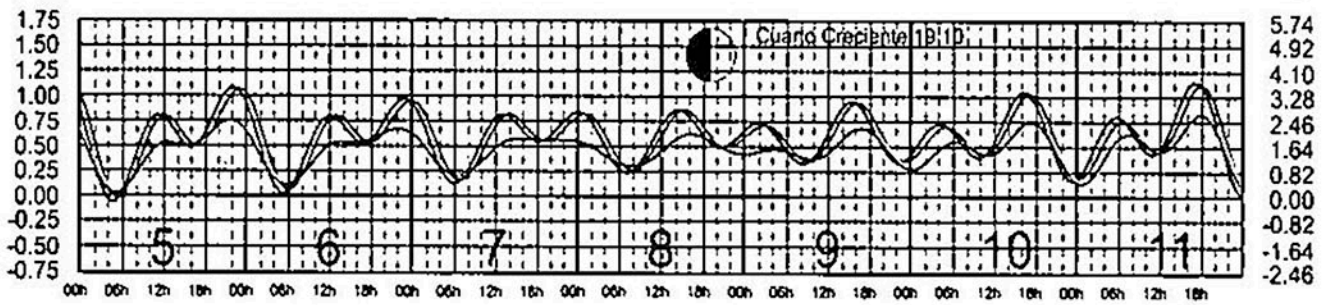
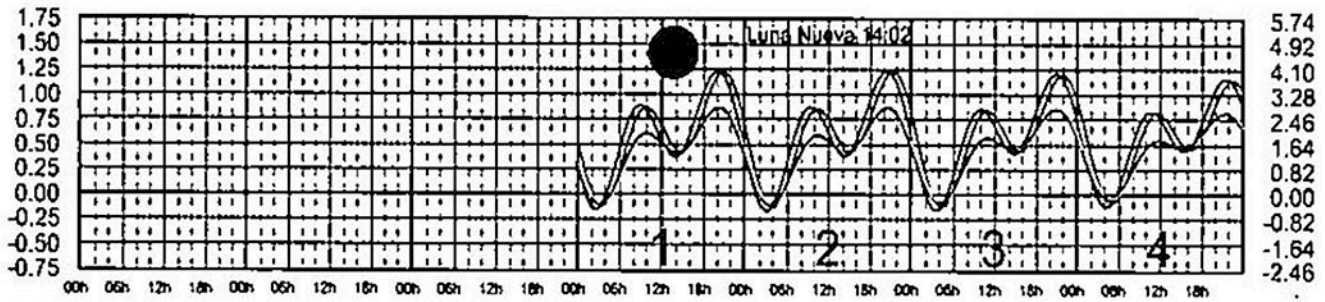
Hora del Meridiano 105°(W)  
 Hora del Meridiano 90°(W)  
 Hora del Meridiano 90°(W)

Plano de Referencia NBM1

SAN BLAS, NAY.  
 PTO. VALLARTA, JAL.  
 MANZANILLO, COL.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



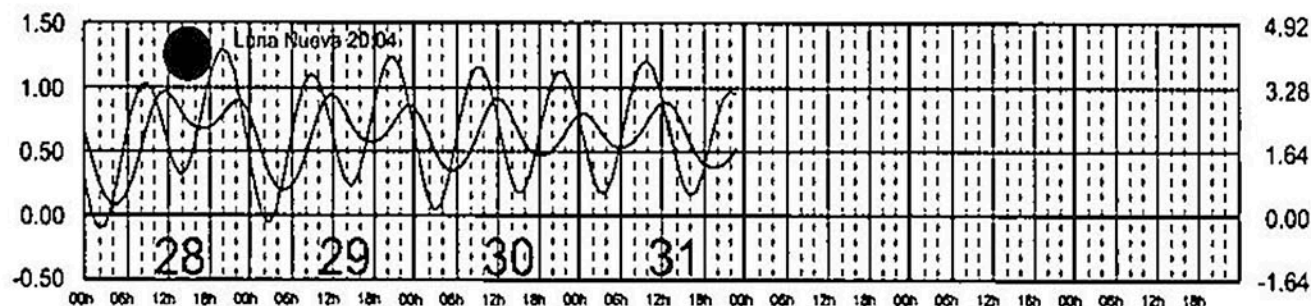
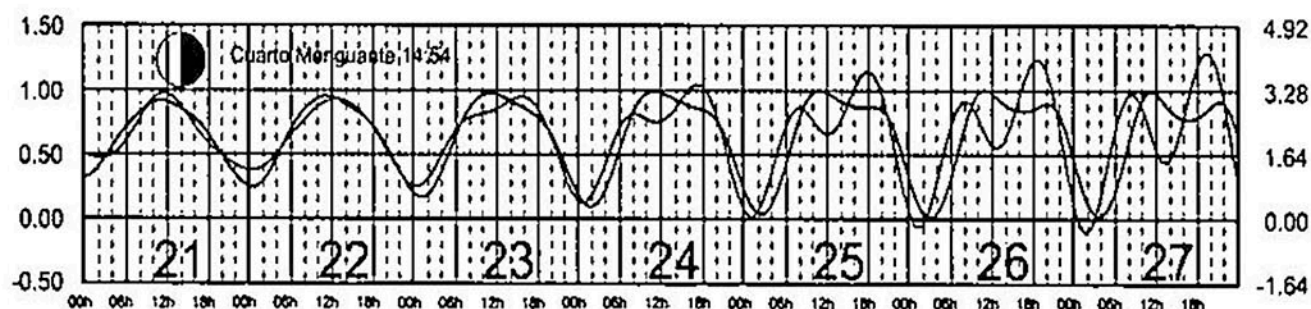
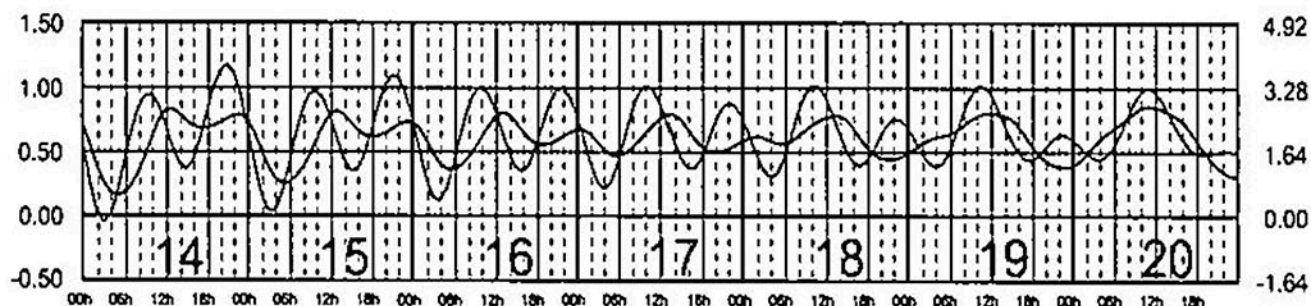
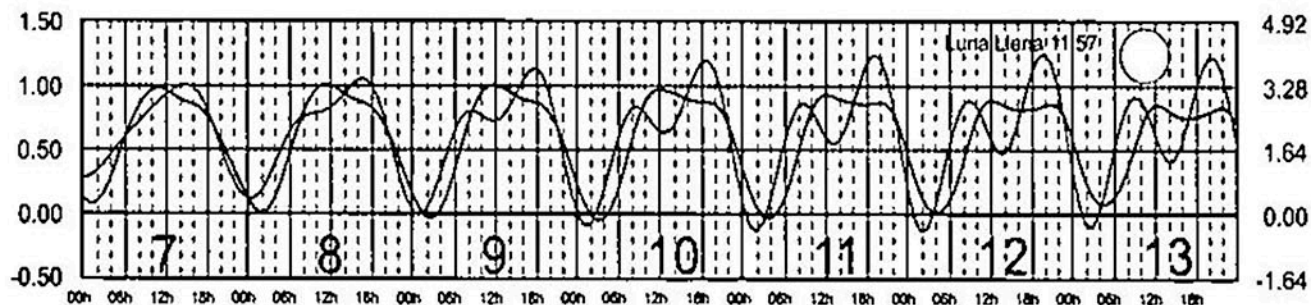
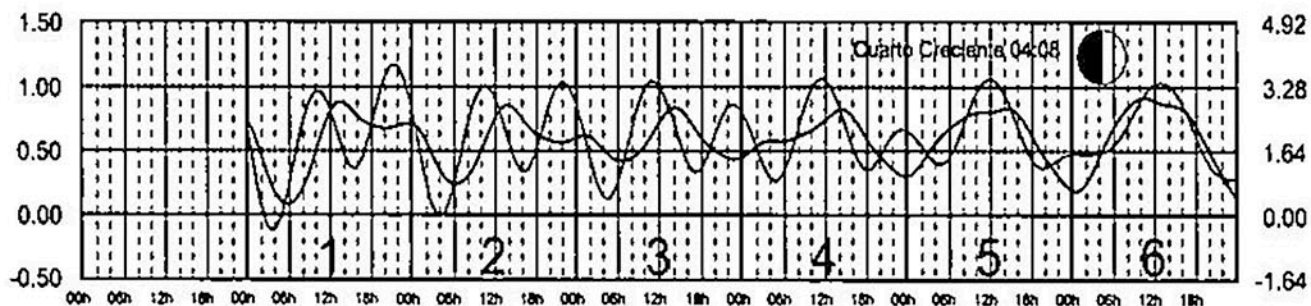
# AGOSTO, 2011

Hora del Meridiano 105°(W)

Plano de Referencia NBMI

SANTA ROSALIA, B.C.S.   
 LA PAZ, B.C.S. 

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES

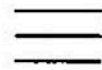


# MAYO, 2011

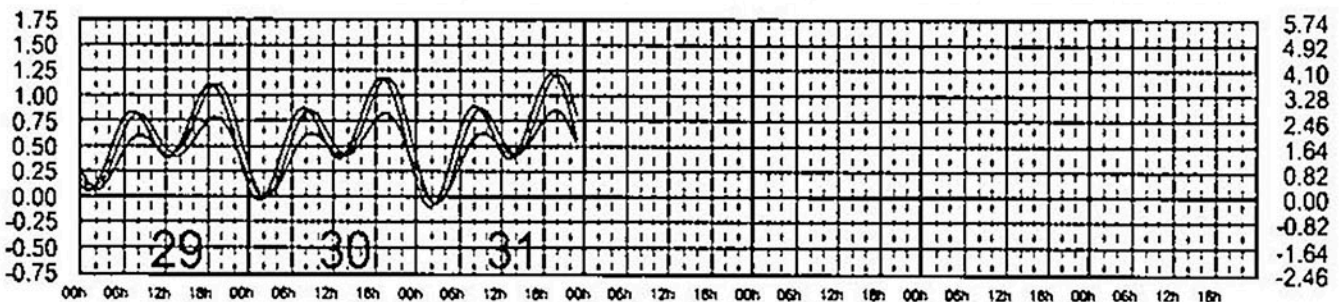
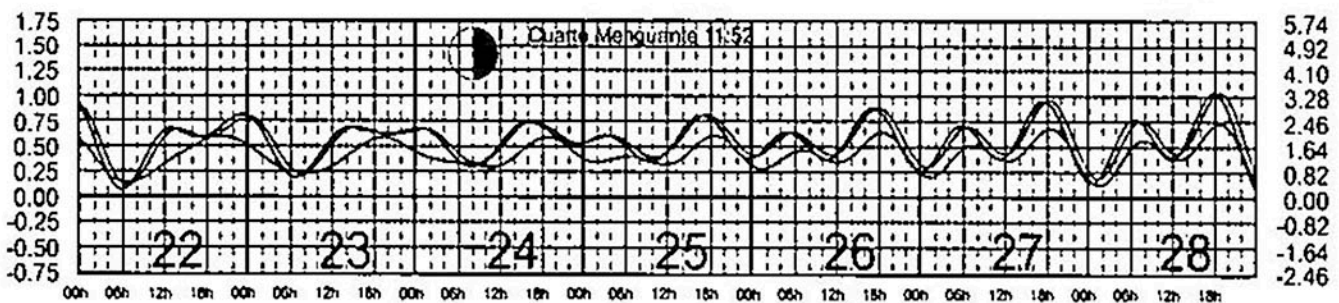
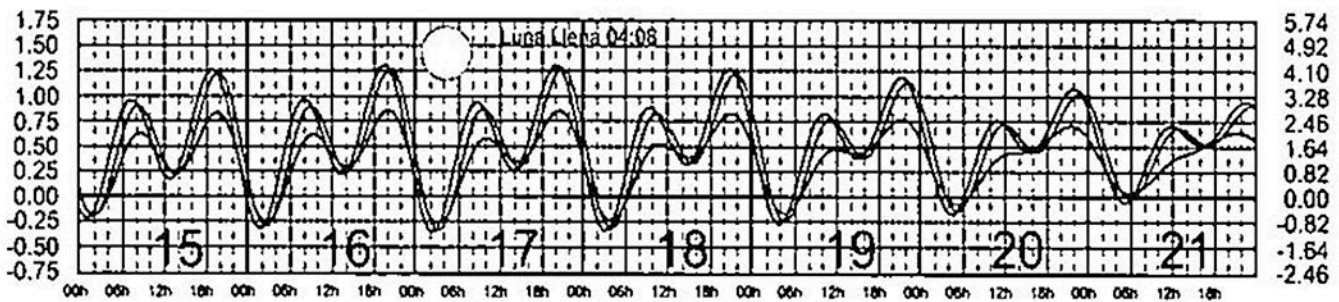
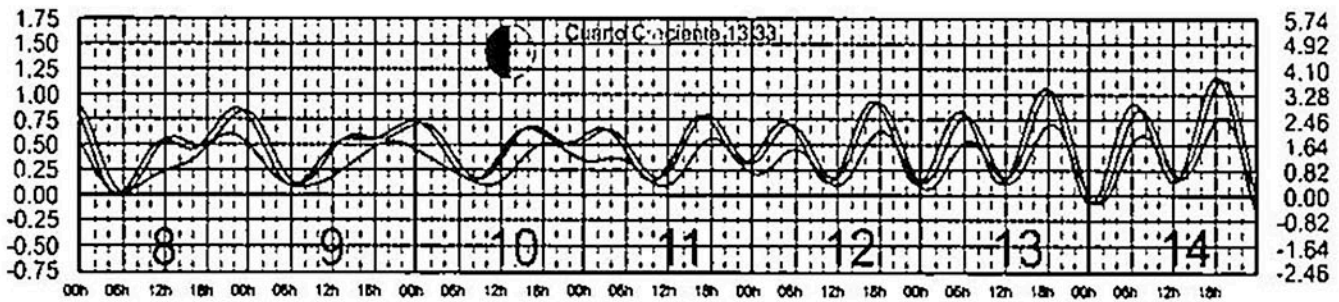
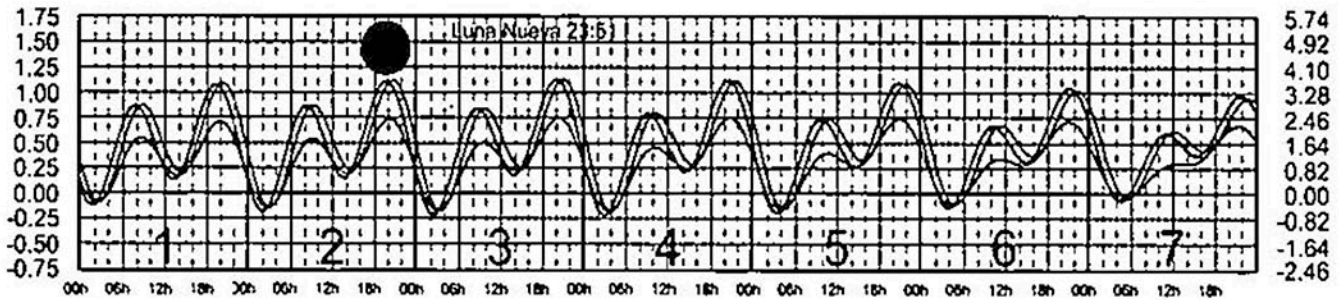
Hora del Meridiano 105°(W)  
 Hora del Meridiano 90°(W)  
 Hora del Meridiano 90°(W)

Plano de Referencia NBMI

SAN BLAS, NAY.  
 PTO. VALLARTA, JAL.  
 MANZANILLO, COL.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES





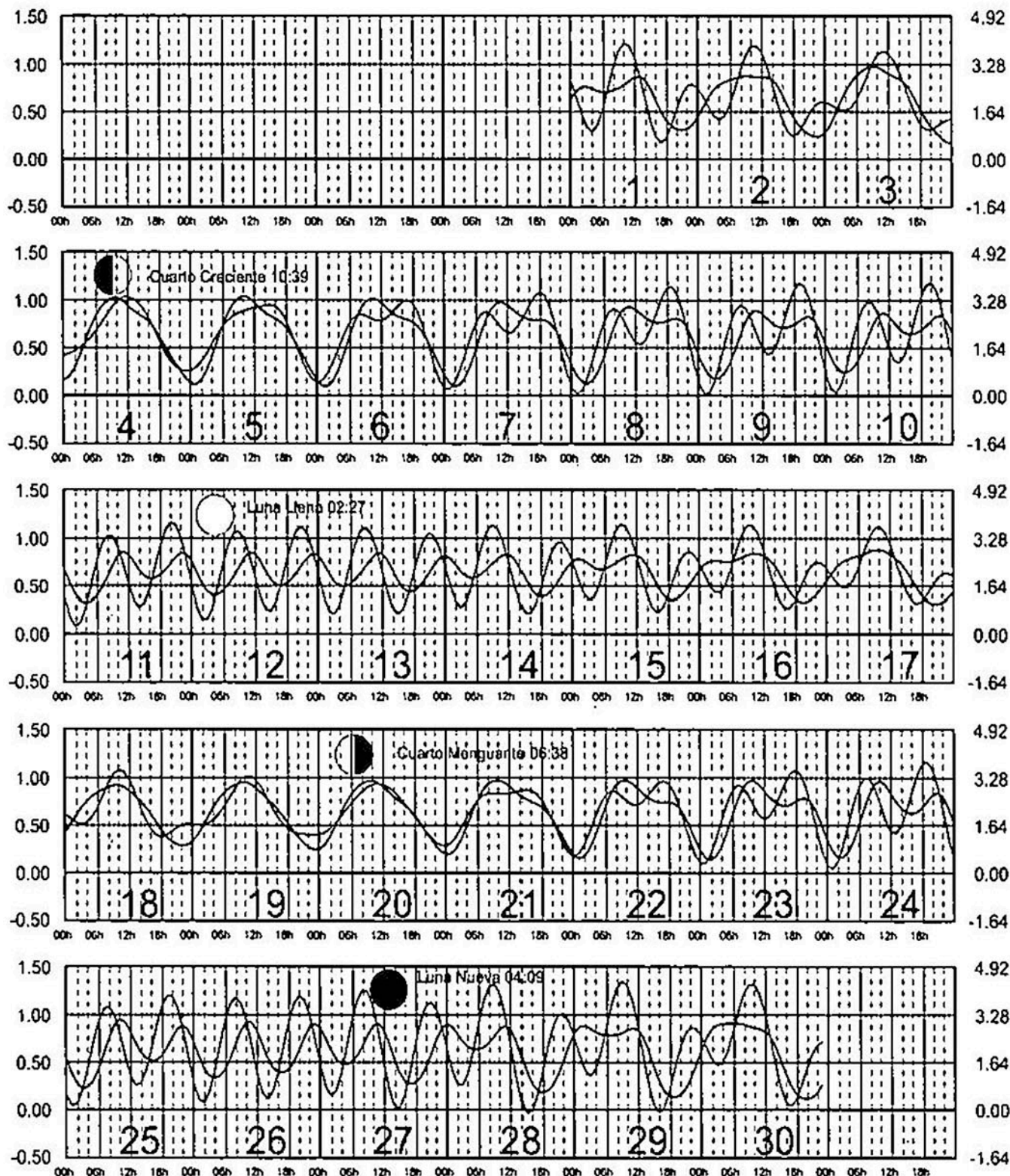
# SEPTIEMBRE, 2011

Hora del Meridiano 105°(W)

Plano de Referencia NBMI

SANTA ROSALIA, B.C.S. ———  
LA PAZ, B.C.S. ———

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



# ABRIL, 2011

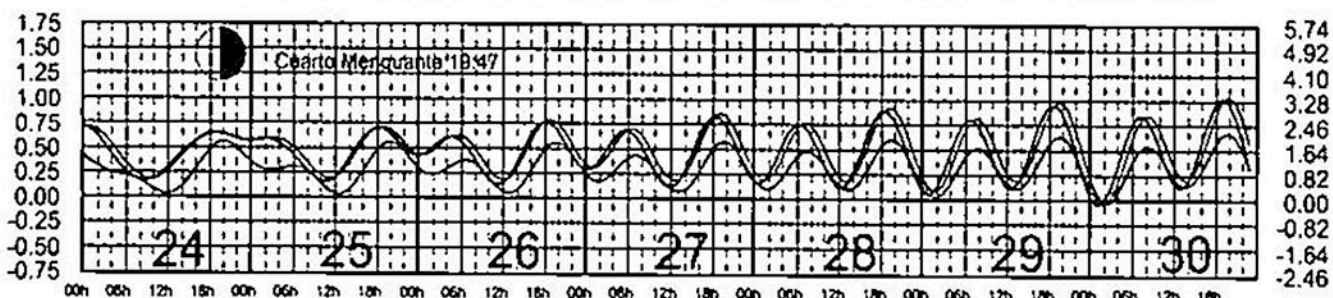
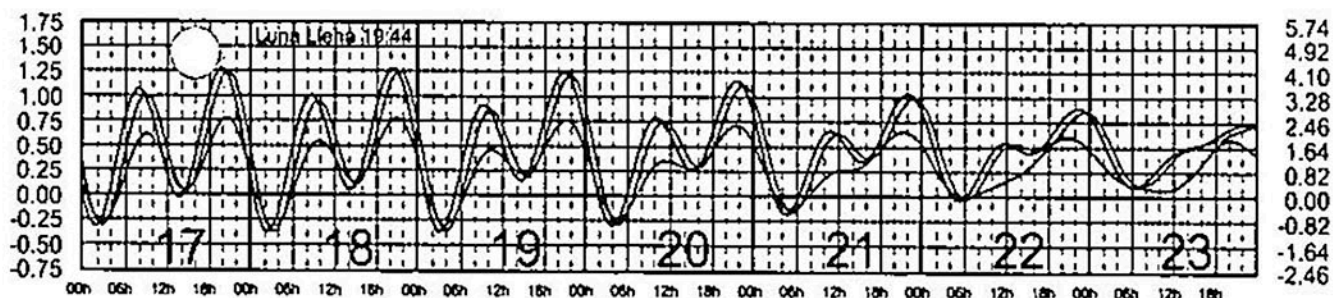
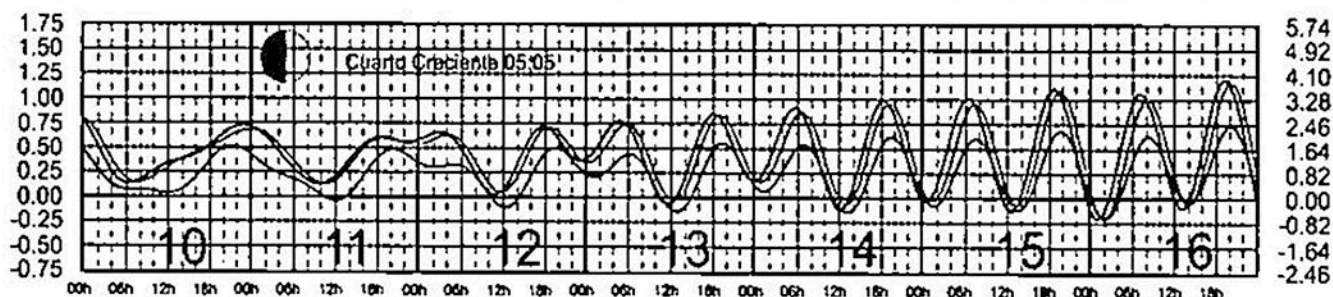
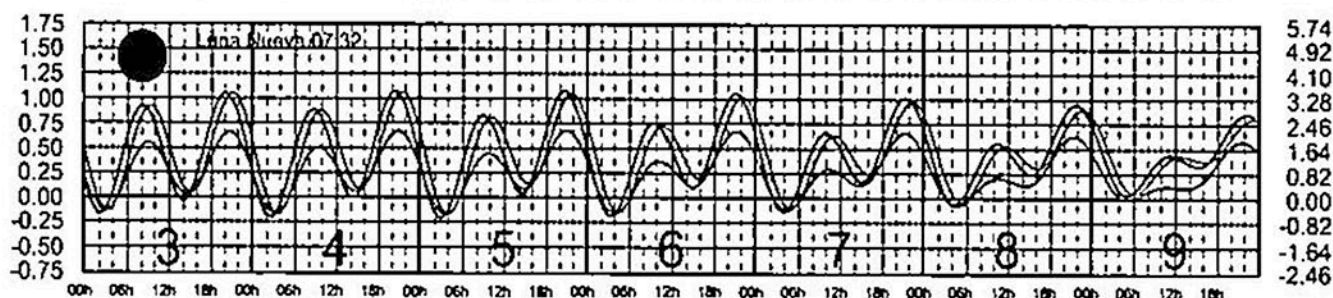
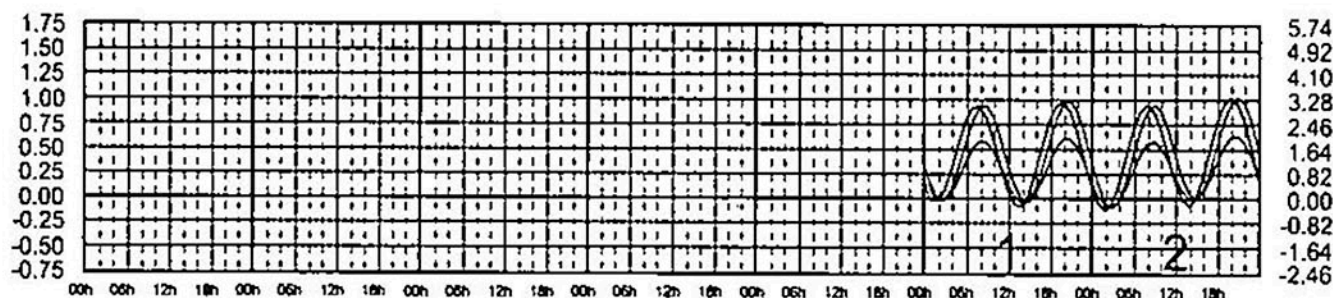
Hora del Meridiano 105°(W)  
 Hora del Meridiano 90°(W)  
 Hora del Meridiano 90°(W)

Plano de Referencia NBMI

SAN BLAS, NAY.  
 PTO. VALLARTA, JAL.  
 MANZANILLO, COL.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES

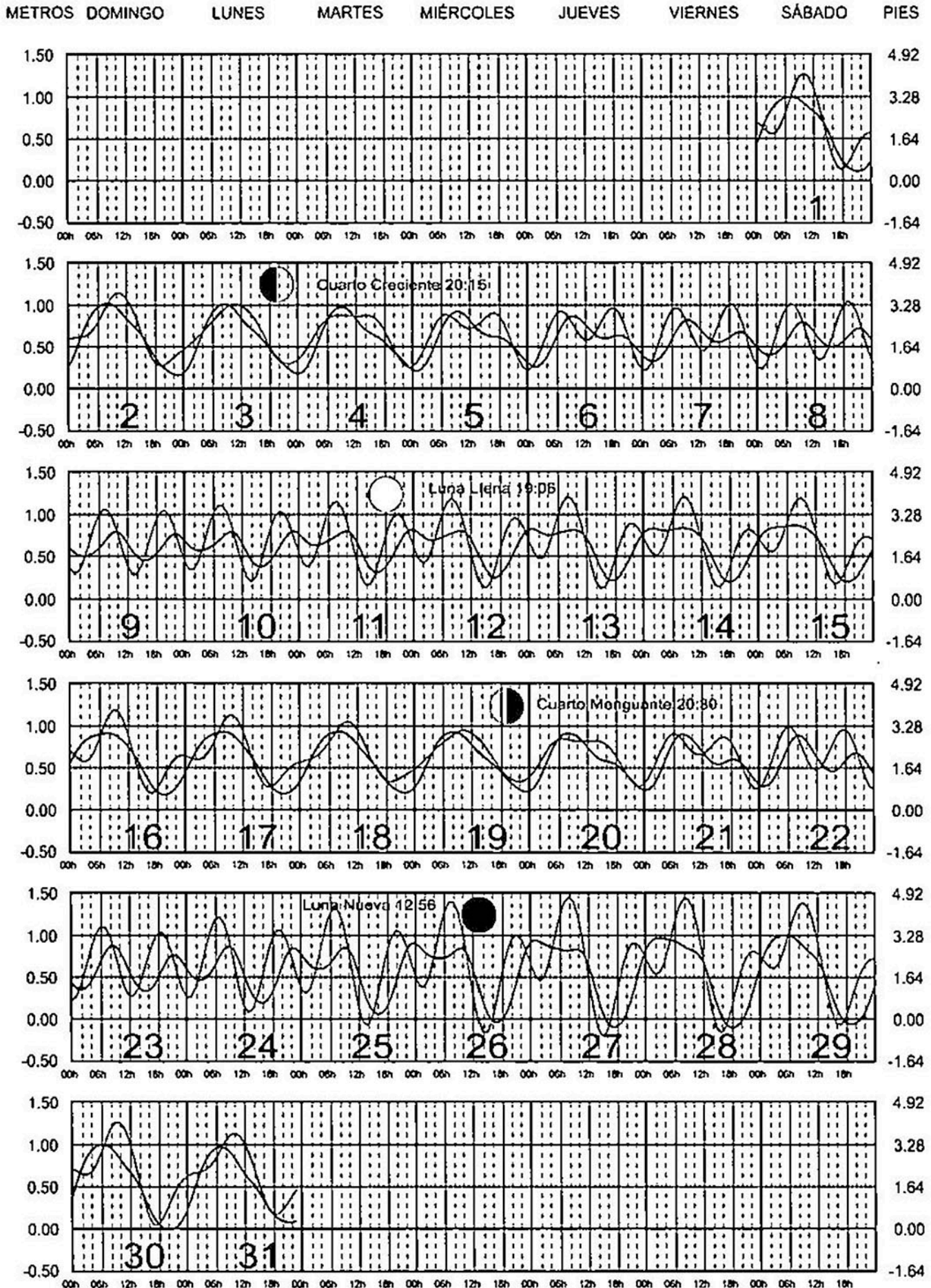


# OCTUBRE, 2011

Hora del Meridiano 105°(W)

Plano de Referencia NBM1

SANTA ROSALIA, B.C.S. ———  
LA PAZ, B.C.S. ———





# MARZO, 2011

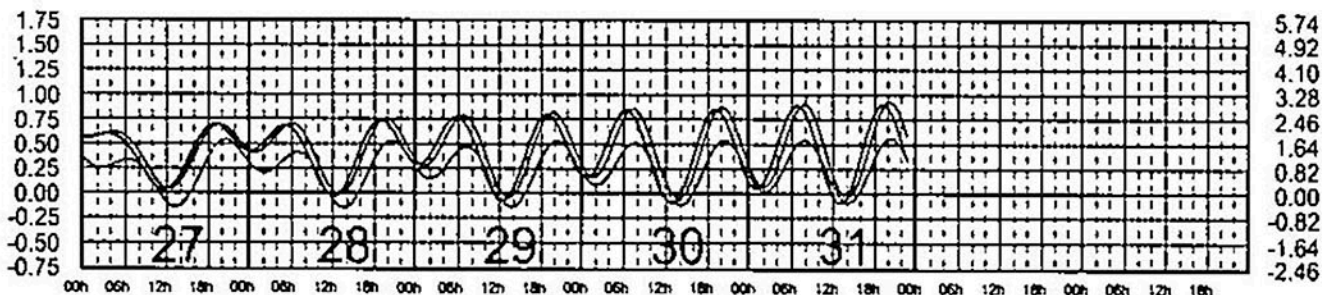
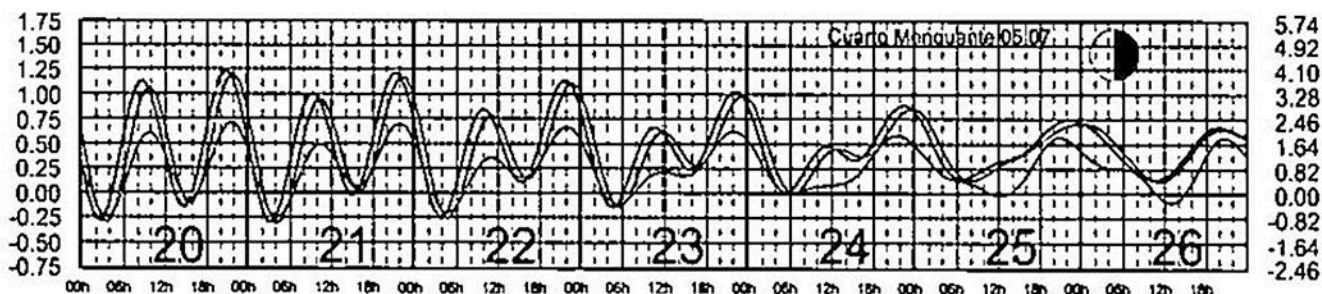
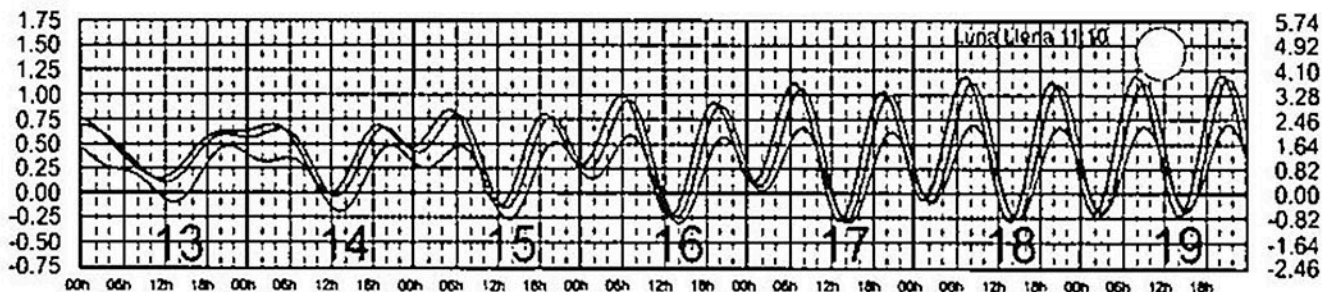
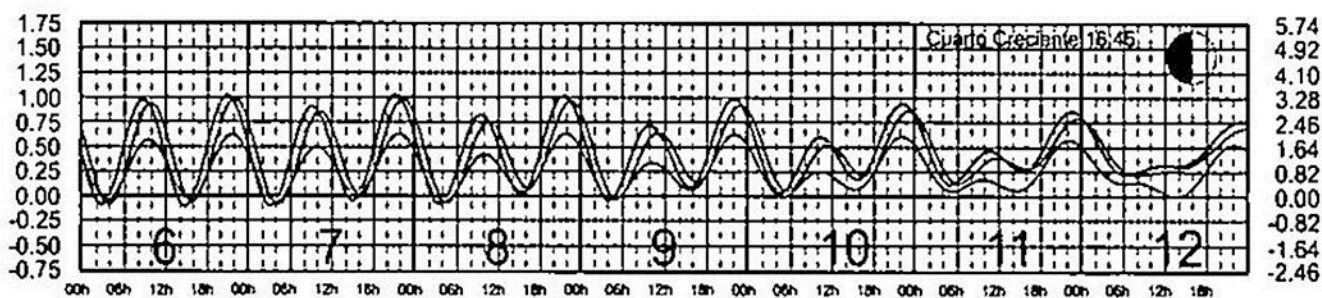
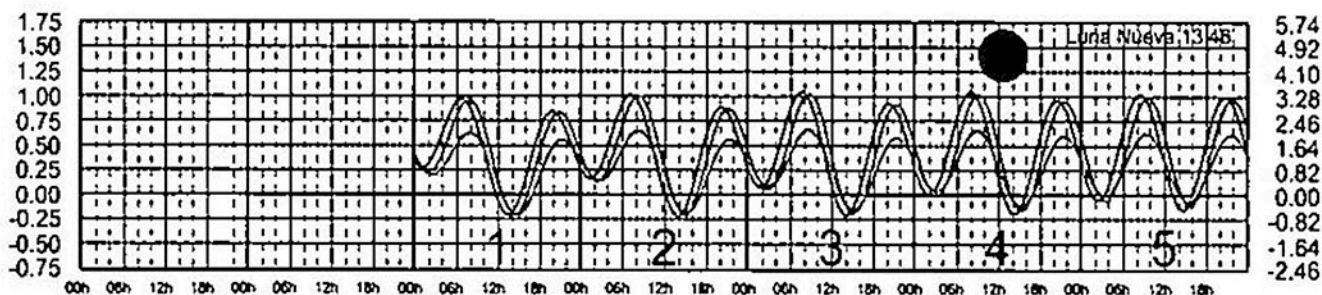
Hora del Meridiano 105°(W)  
 Hora del Meridiano 90°(W)  
 Hora del Meridiano 90°(W)

Plano de Referencia NBMI

SAN BLAS, NAY.  
 PTO. VALLARTA, JAL.  
 MANZANILLO, COL.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



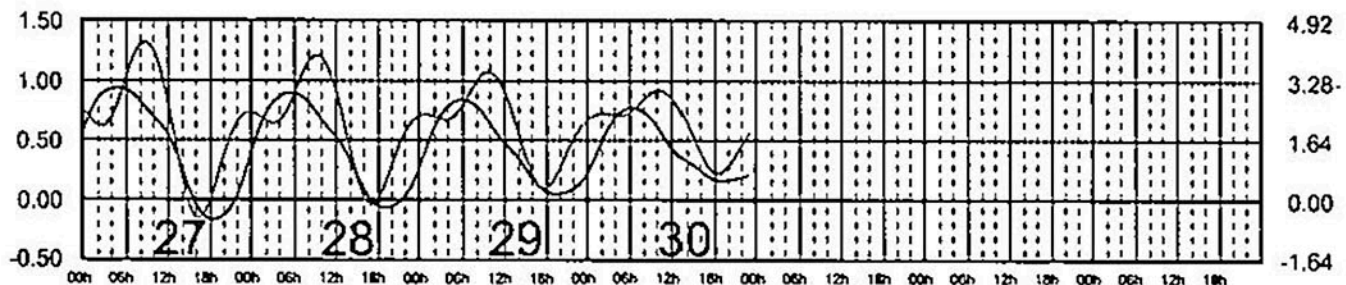
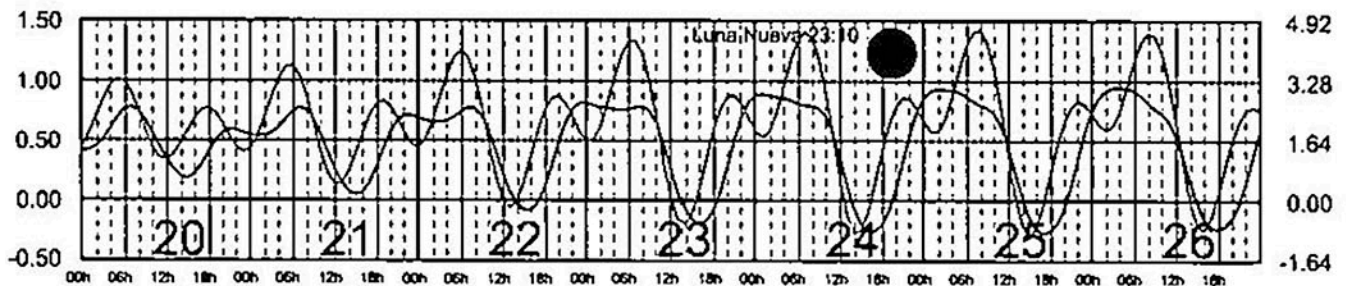
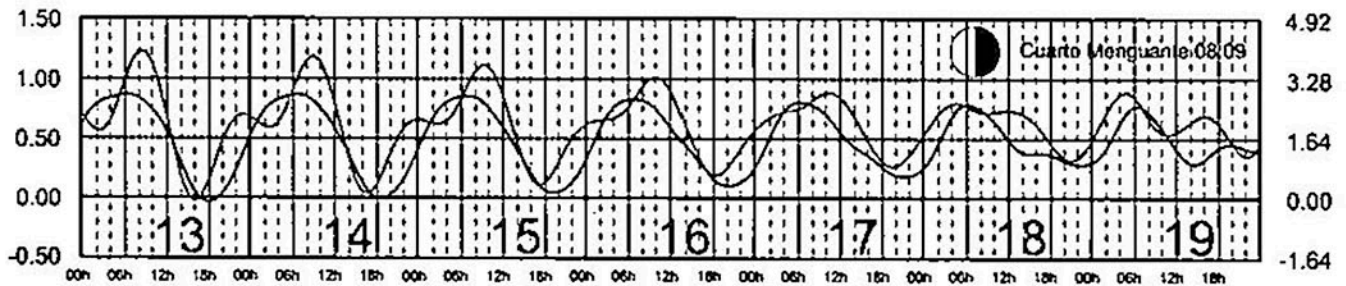
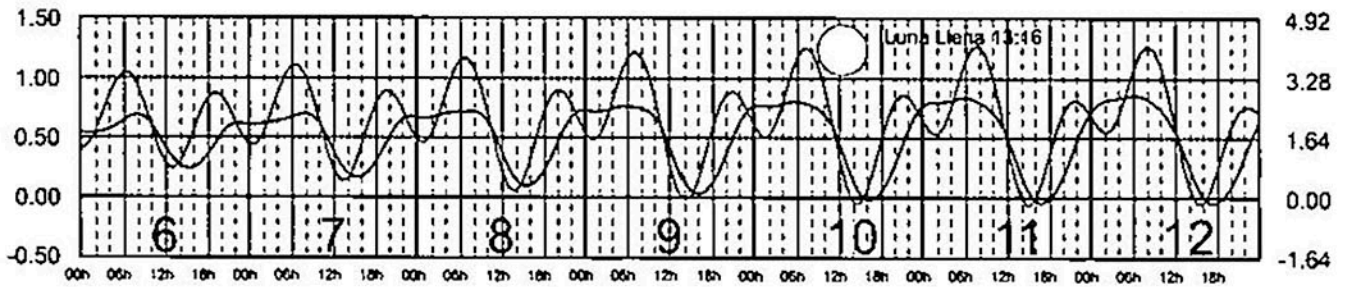
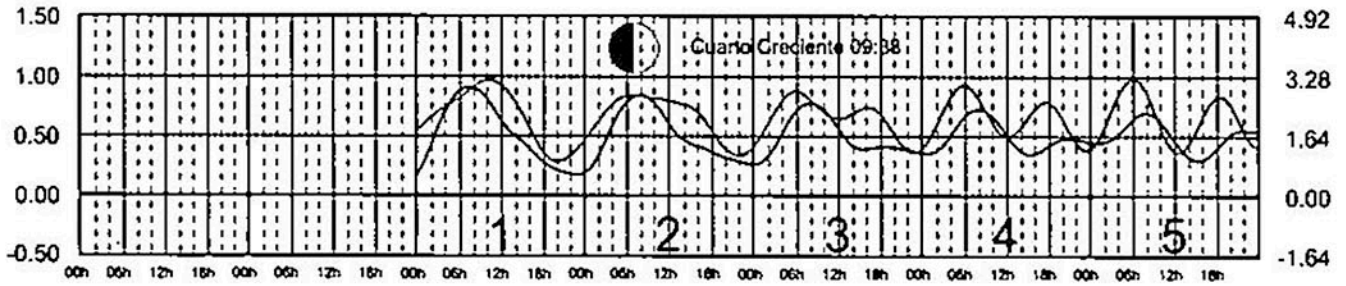
# NOVIEMBRE, 2011

Hora del Meridiano 105°(W)

Plano de Referencia NBMI

SANTA ROSALIA, B.C.S. ———  
LA PAZ, B.C.S. ———

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



SECRETARÍA DE MARINA  
SECRETARÍA DE TURISMO  
Y CULTURA MARITIMA  
SECRETARÍA DE ECONOMÍA

# FEBRERO, 2011

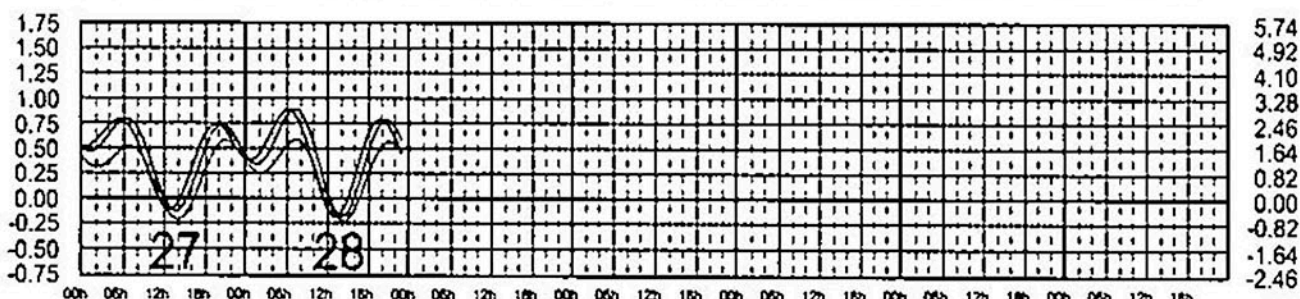
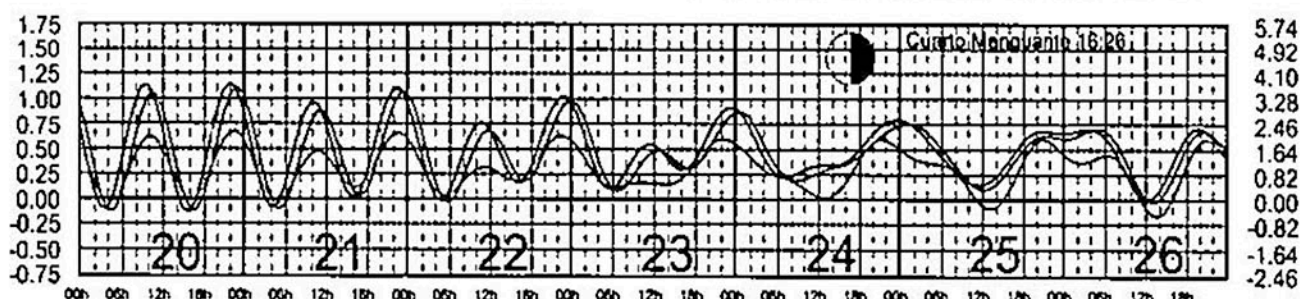
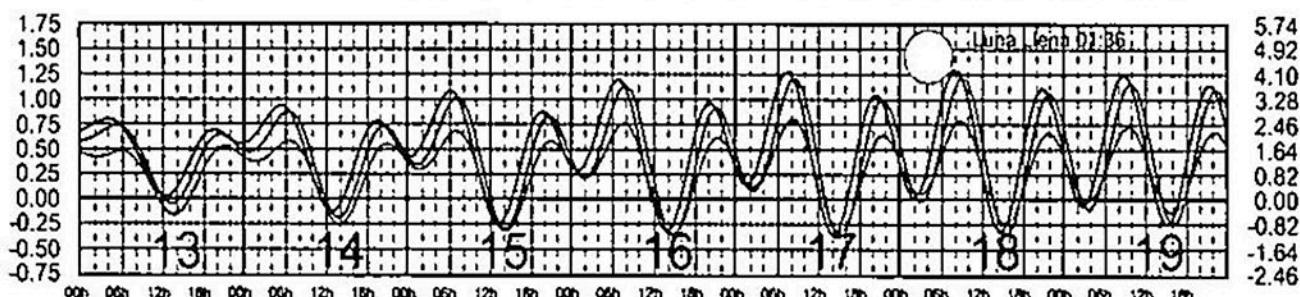
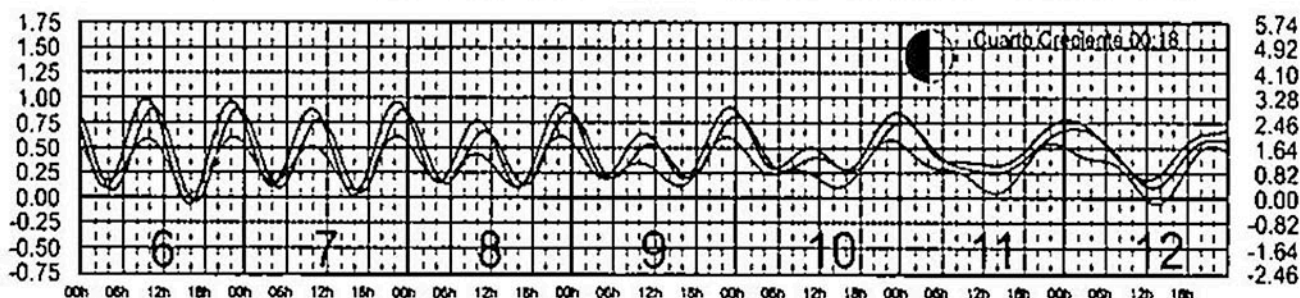
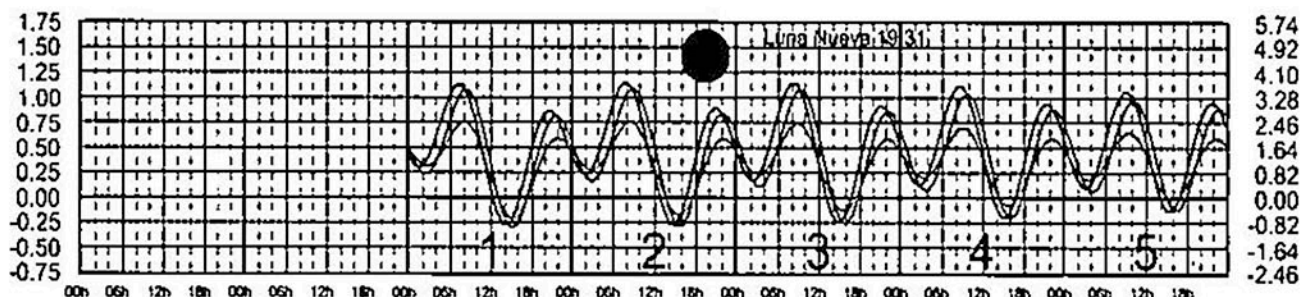
Hora del Meridiano 105°(W)  
 Hora del Meridiano 90°(W)  
 Hora del Meridiano 90°(W)

Plano de Referencia NBM1

SAN BLAS, NAY.  
 PTO. VALLARTA, JAL.  
 MANZANILLO, COL.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES





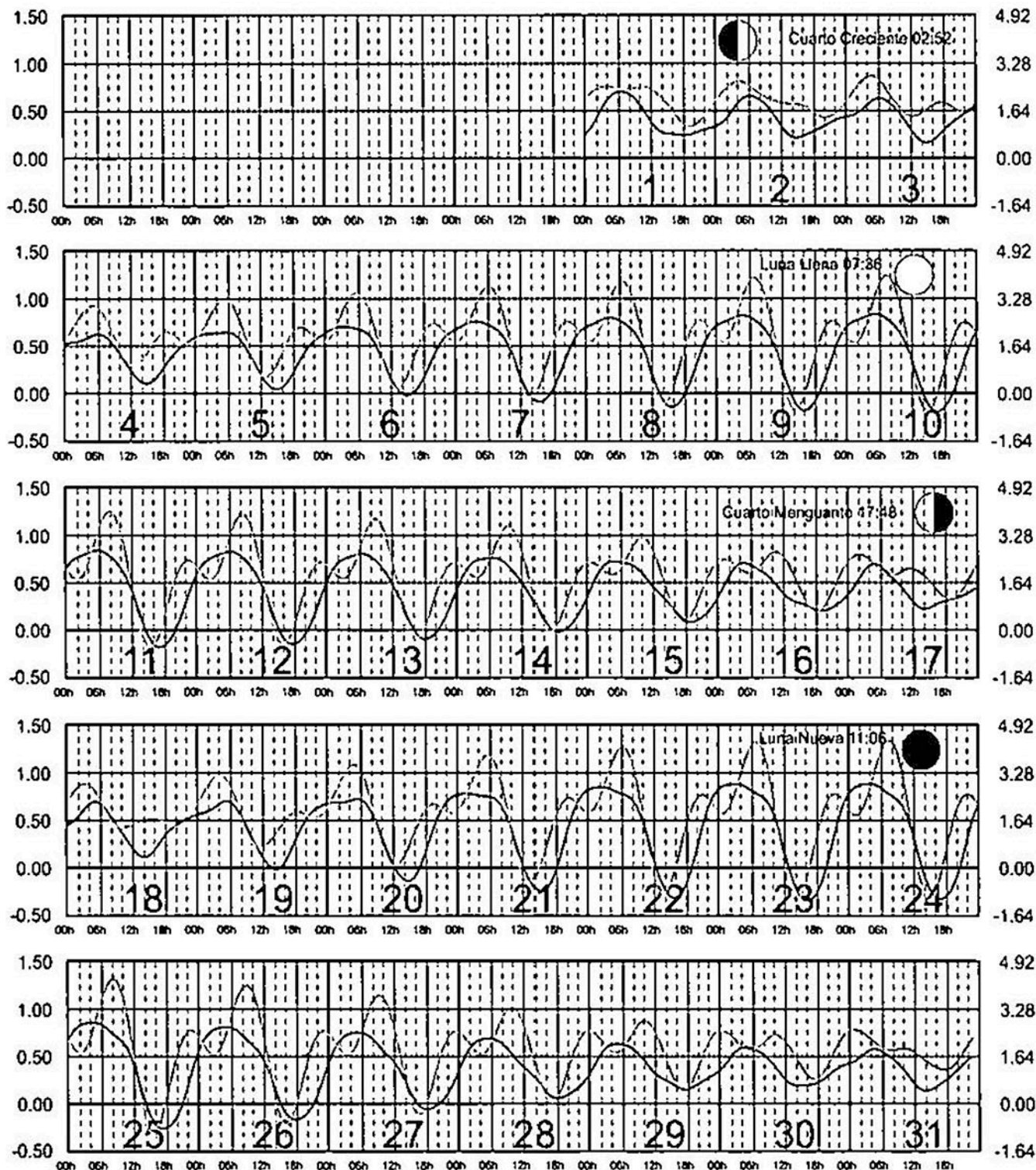
# DICIEMBRE, 2011

Hora del Meridiano 105°(W)

Plano de Referencia NBMI

SANTA ROSALIA, B.C.S. ———  
LA PAZ, B.C.S. ———

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



# ENERO, 2011

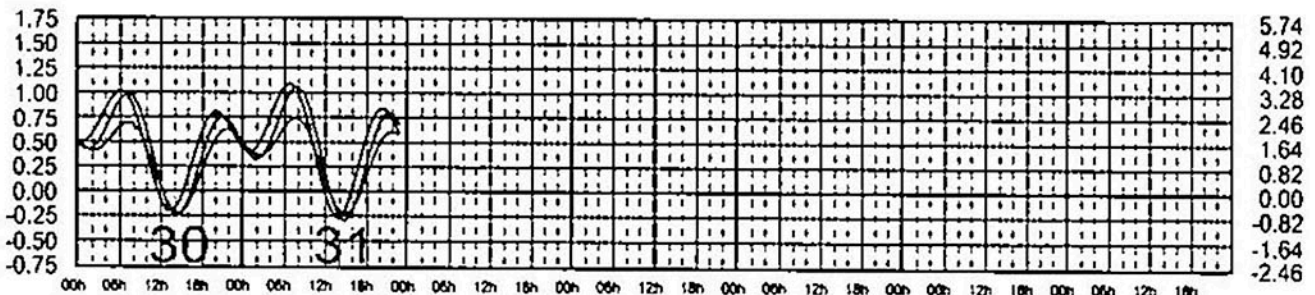
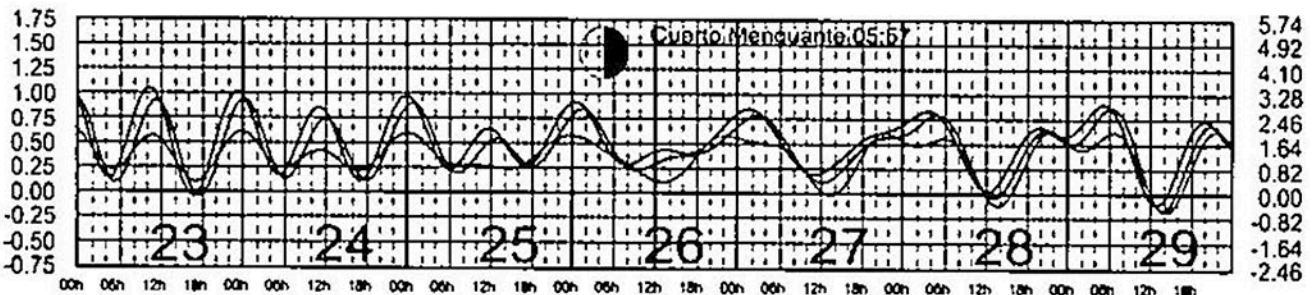
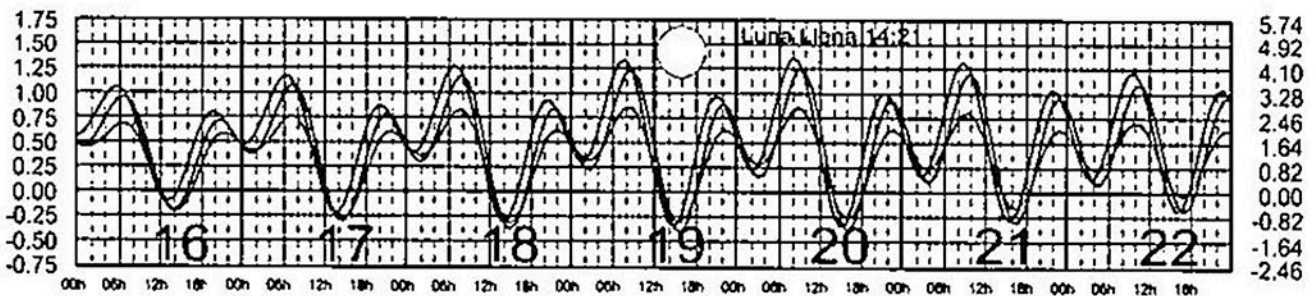
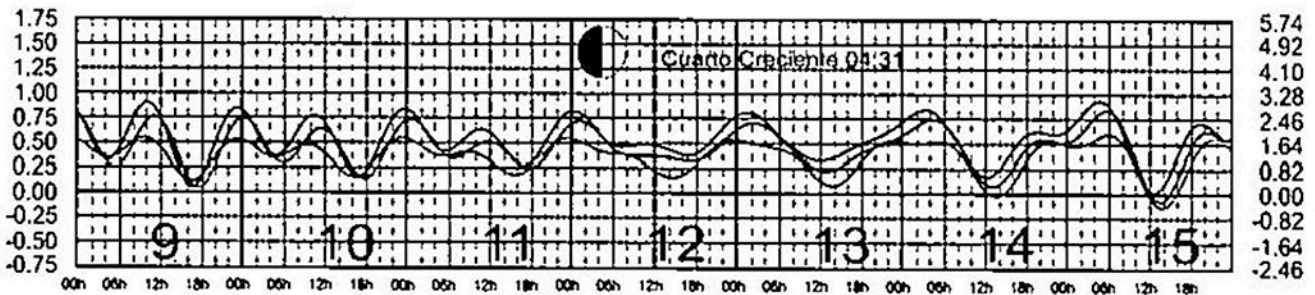
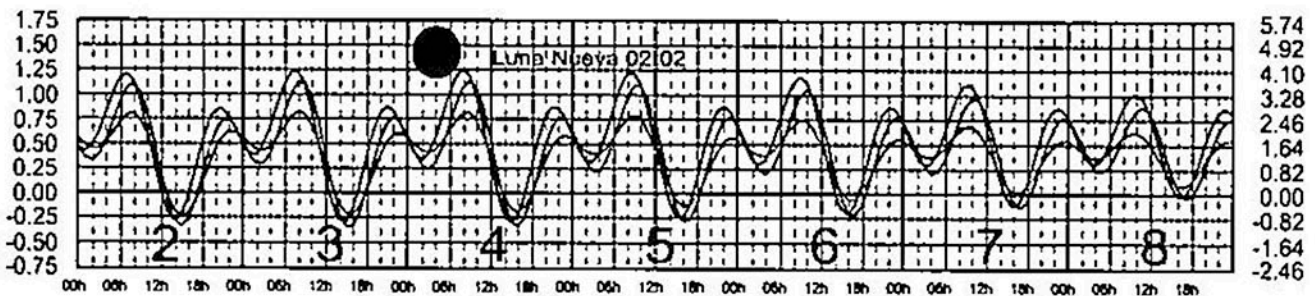
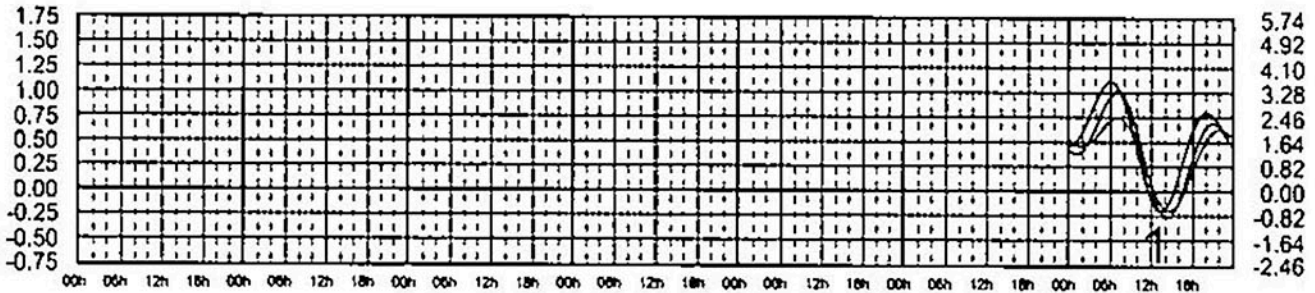
Hora del Meridiano 105°(W)  
 Hora del Meridiano 90°(W)  
 Hora del Meridiano 90°(W)

Plano de Referencia NBMI

SAN BLAS, NAY.  
 PTO. VALLARTA, JAL.  
 MANZANILLO, COL.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES





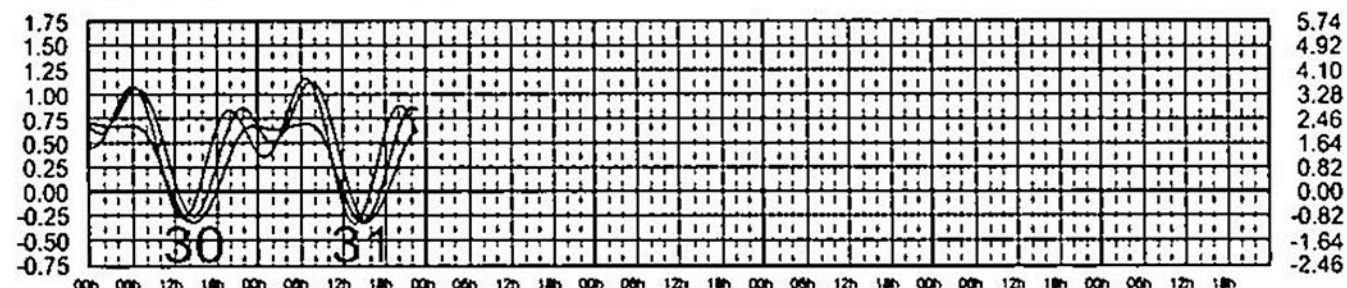
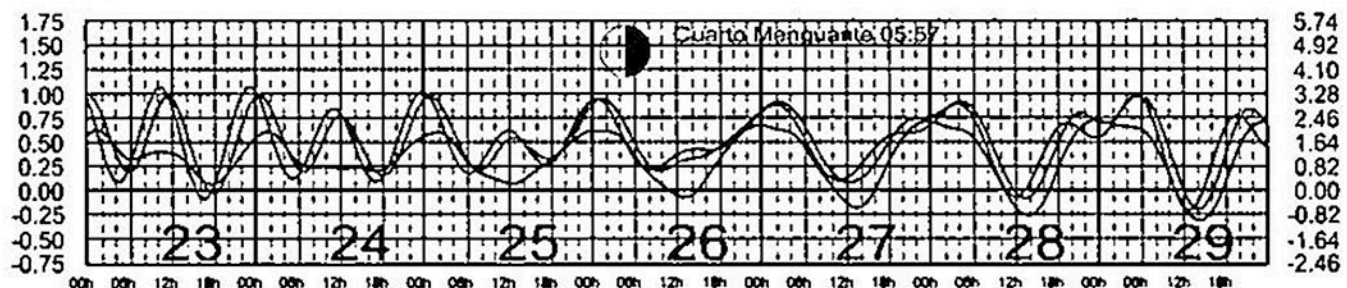
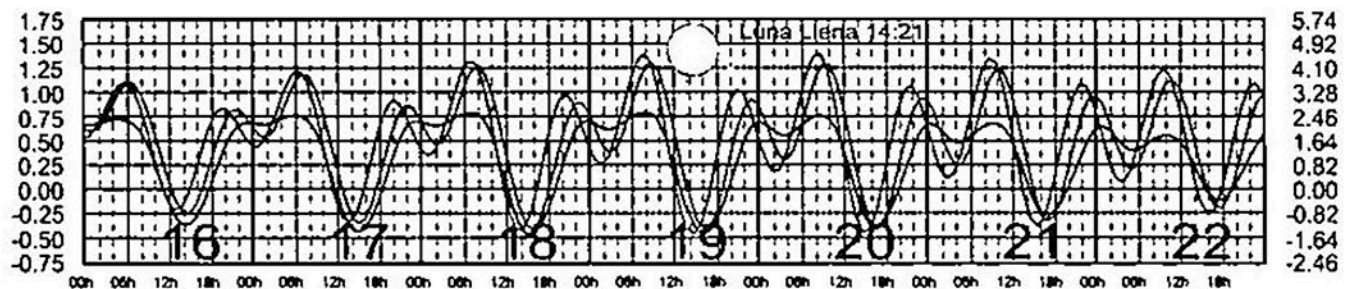
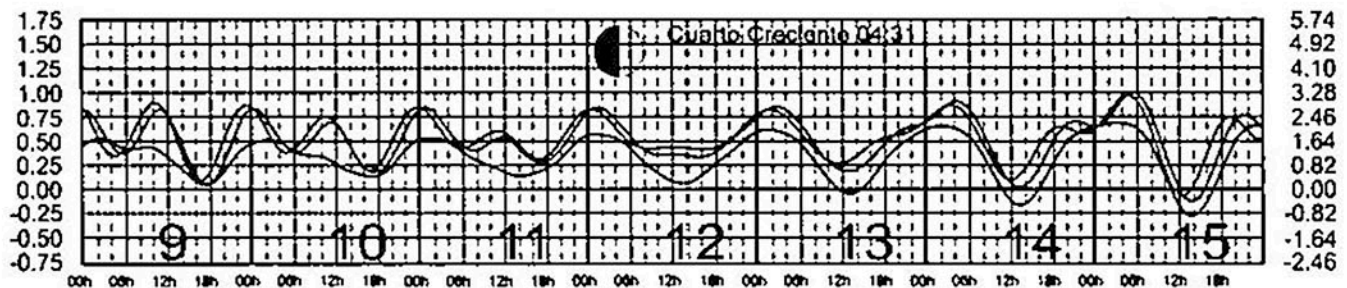
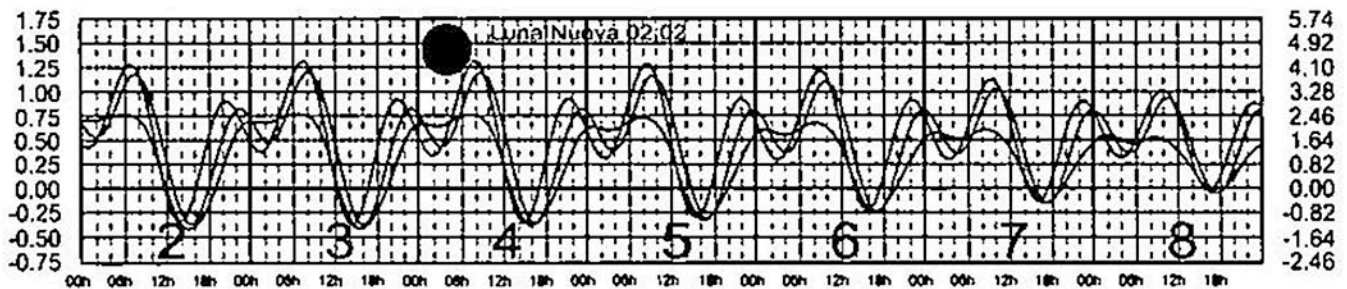
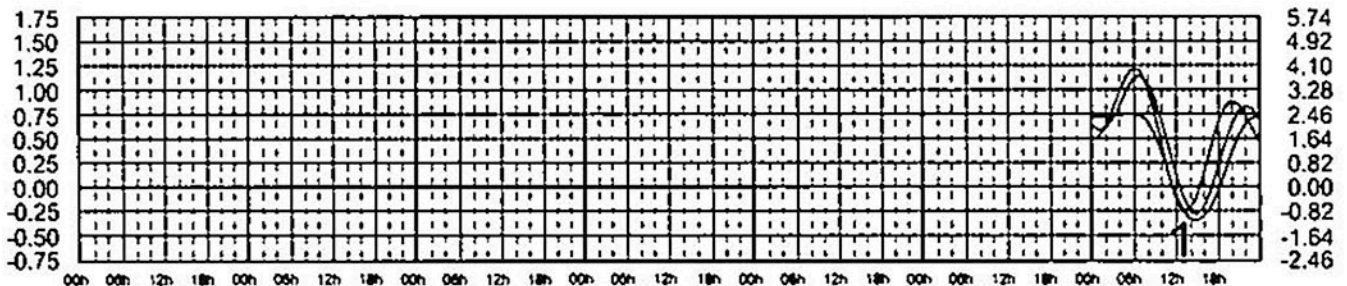
# ENERO, 2011

Hora del Meridiano 105°(W)

Plano de Referencia NBMI

GUAYMAS, SON. ———  
 TOPOLOBAMPO, SIN. ———  
 MAZATLAN, SIN. ———

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES





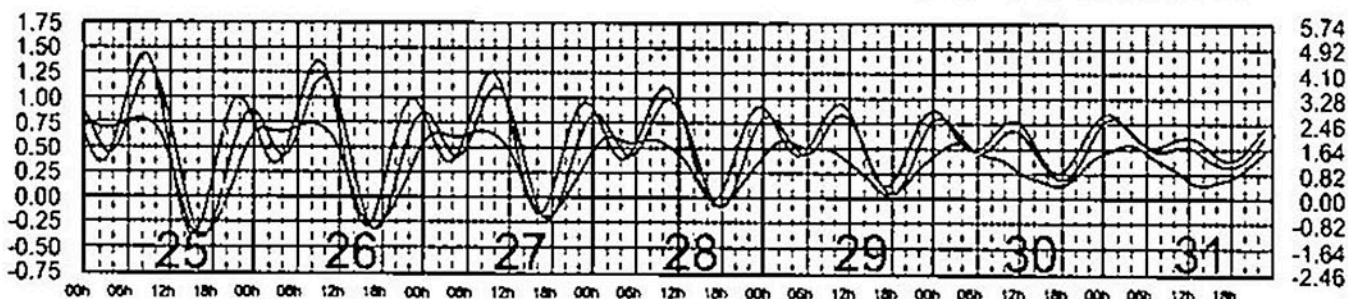
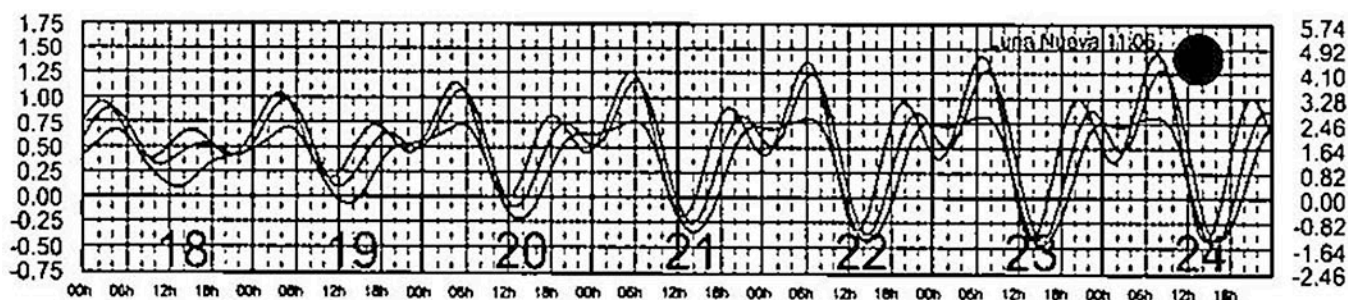
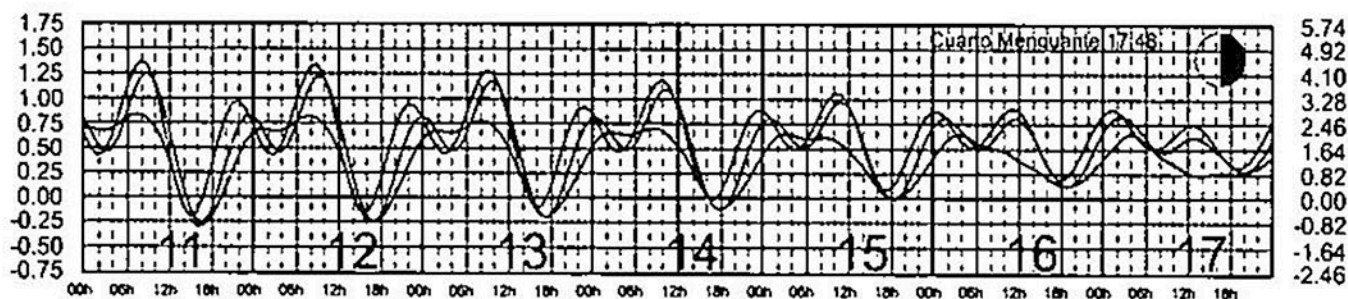
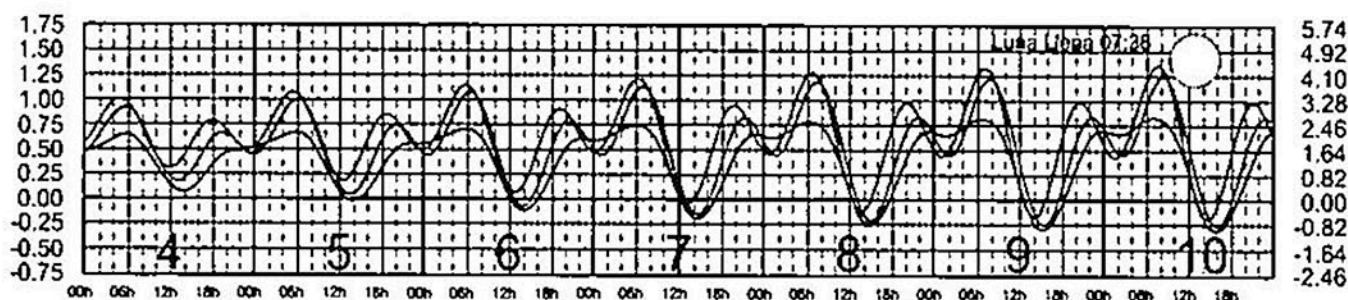
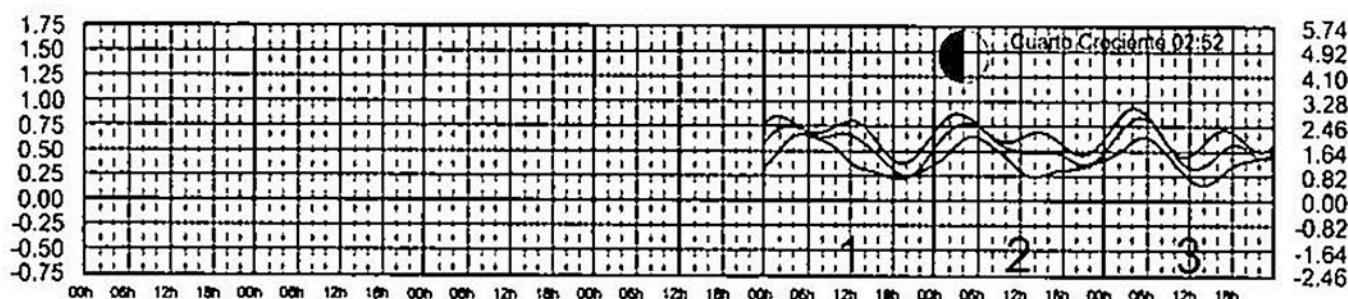
# DICIEMBRE, 2011

Hora del Meridiano 105°(W)

Plano de Referencia NBMI

GUAYMAS, SON. ———  
 TOPOLOBAMPO, SIN. ———  
 MAZATLAN, SIN. ———

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



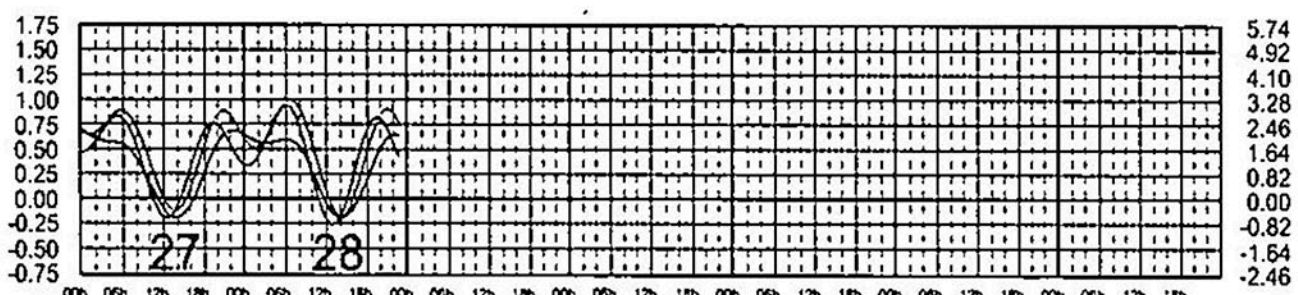
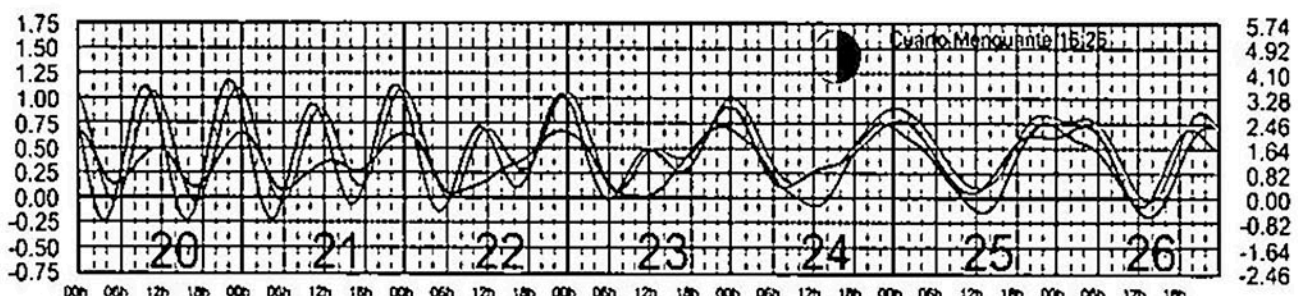
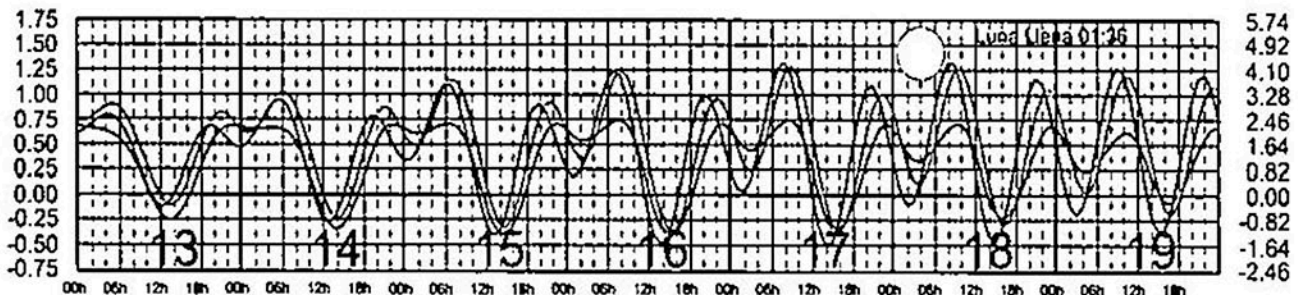
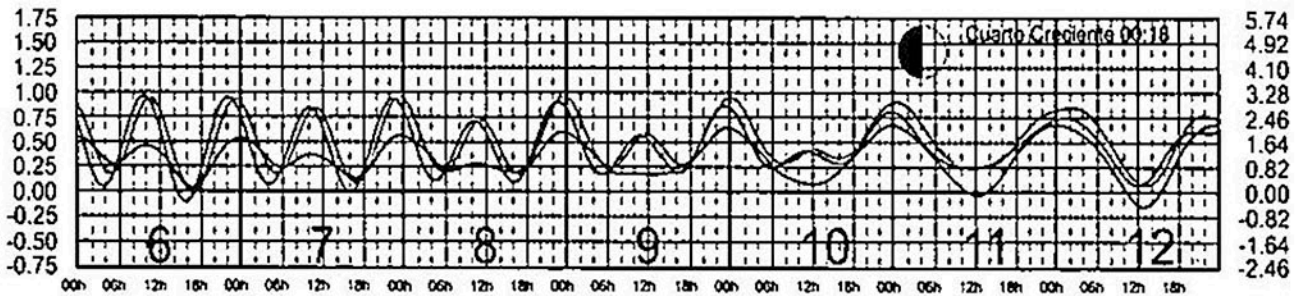
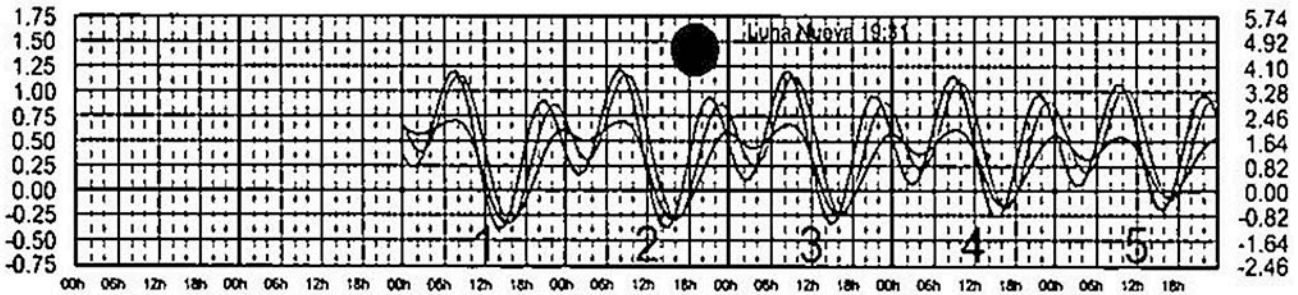
# FEBRERO, 2011

Hora del Meridiano 105°(W)

Plano de Referencia NBMI

GUAYMAS, SON. ———  
 TOPOLOBAMPO, SIN. ———  
 MAZATLAN, SIN. ———

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



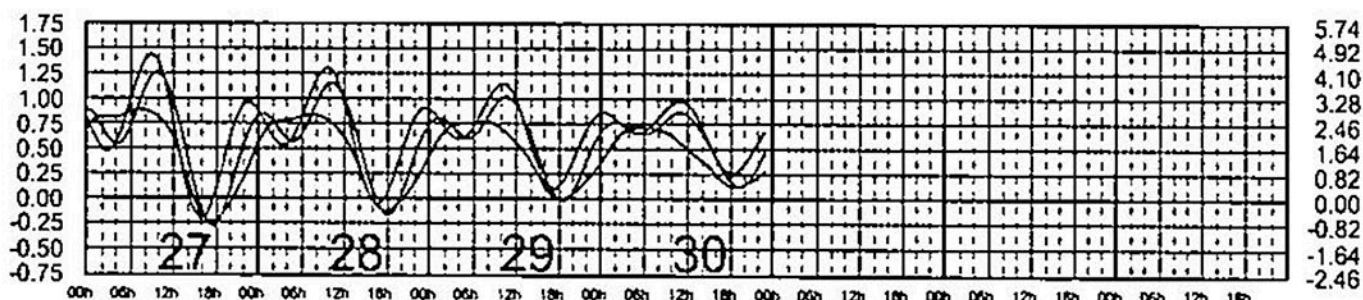
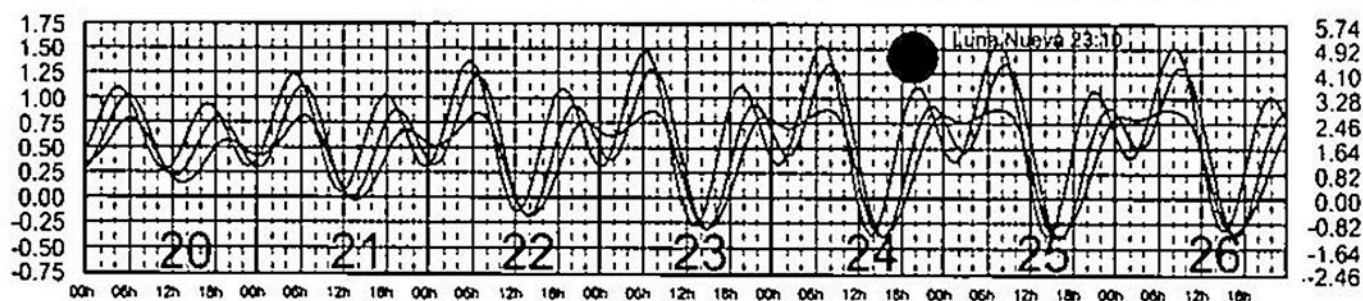
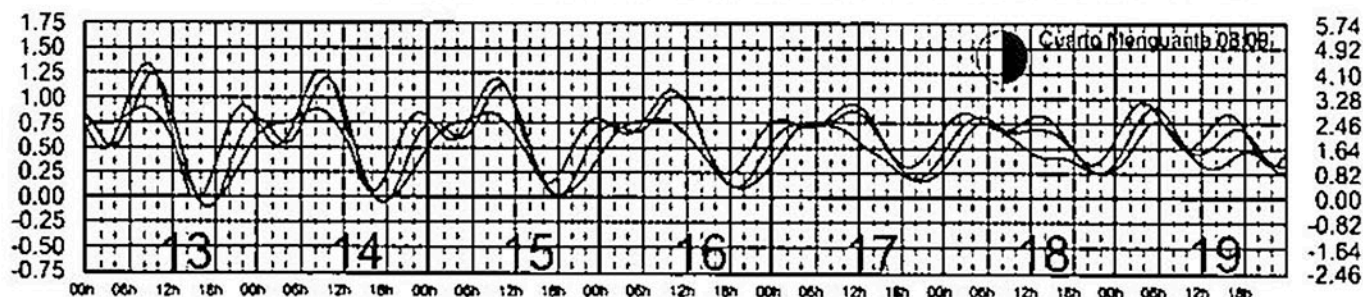
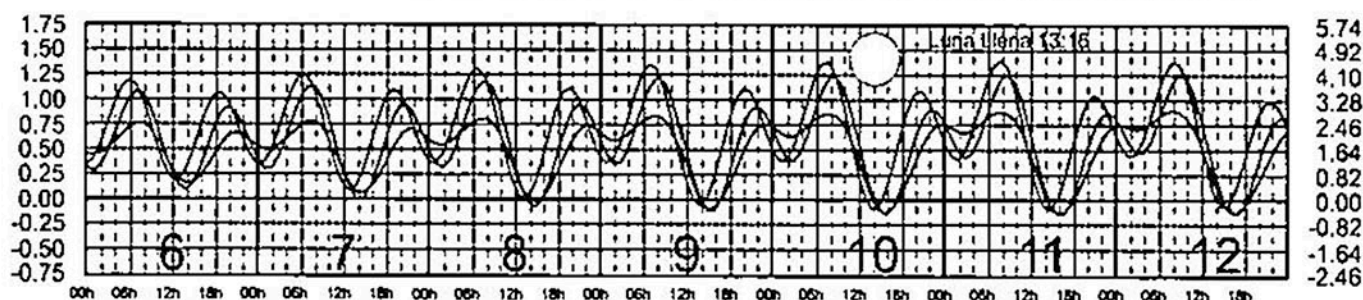
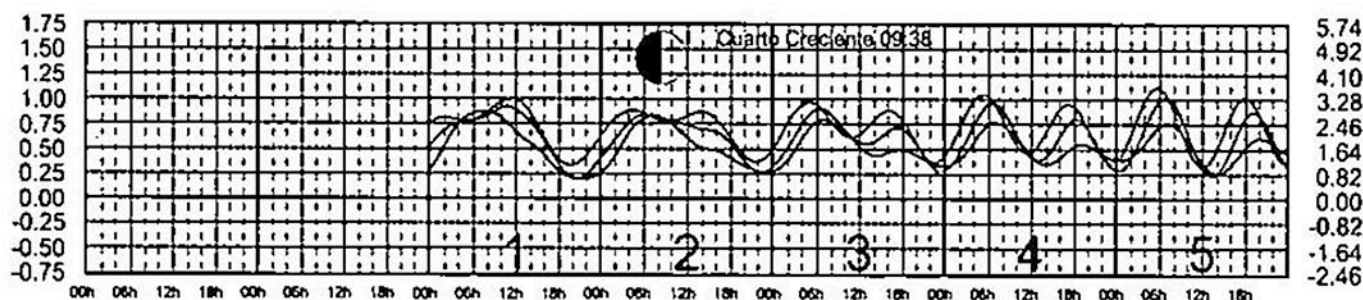
# NOVIEMBRE, 2011

Hora del Meridiano 105°(W)

Plano de Referencia NBM1

GUAYMAS, SON. ———  
 TOPOLOBAMPO, SIN. ———  
 MAZATLAN, SIN. ———

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES





# MARZO, 2011

Hora del Meridiano 105°(W)

Plano de Referencia NBMI

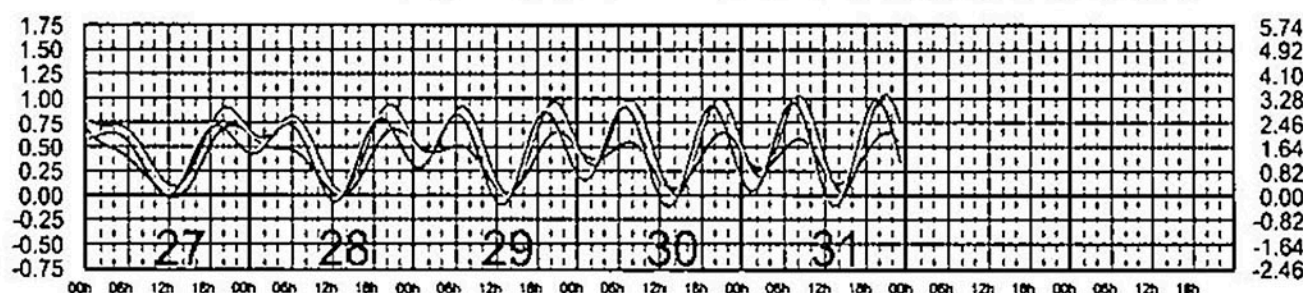
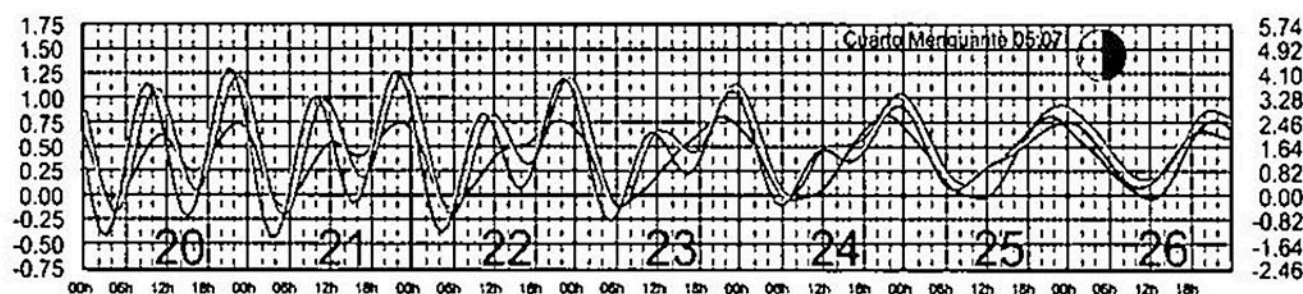
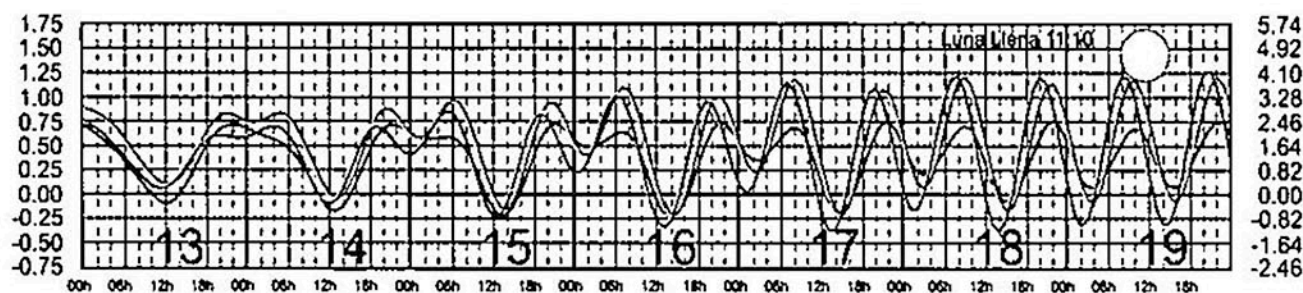
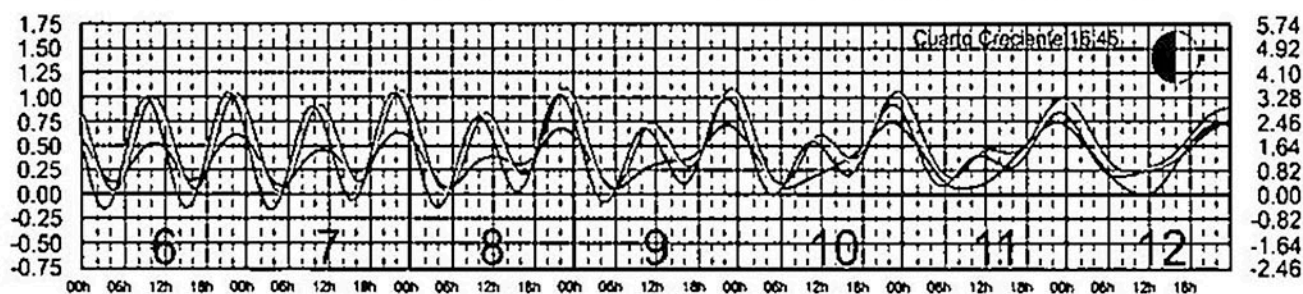
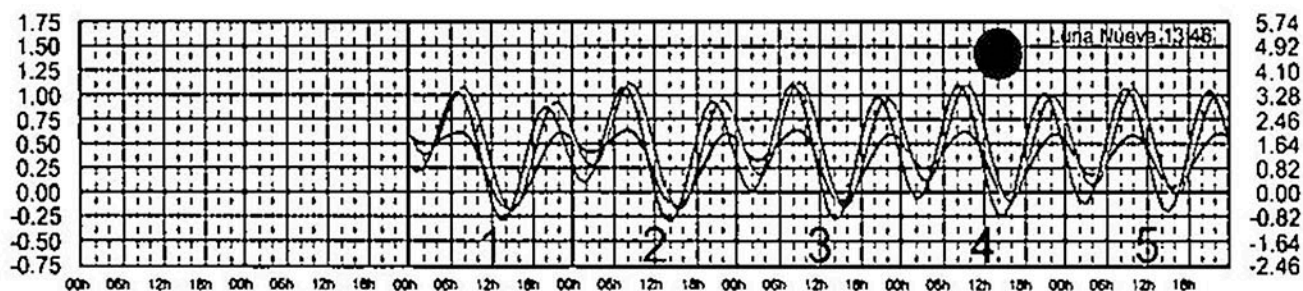
GUAYMAS, SON.

TOPOLOBAMPO, SIN.

MAZATLAN, SIN.



METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



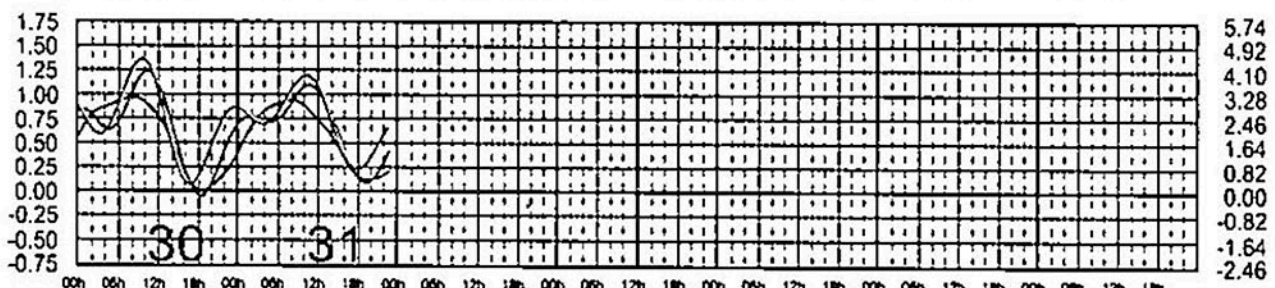
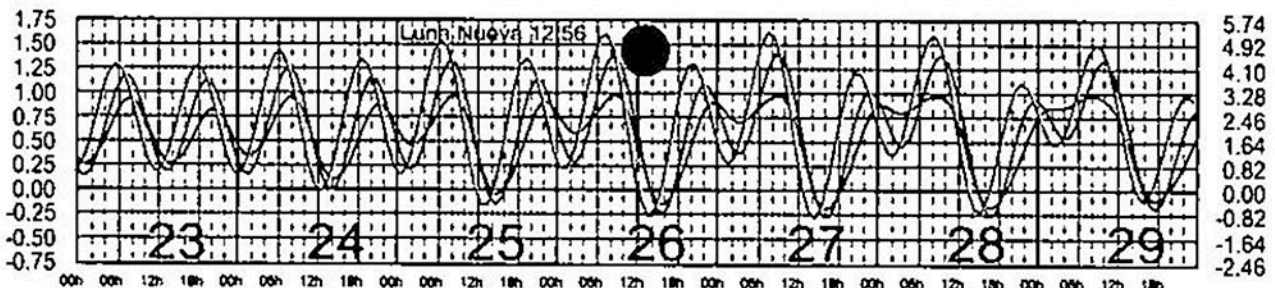
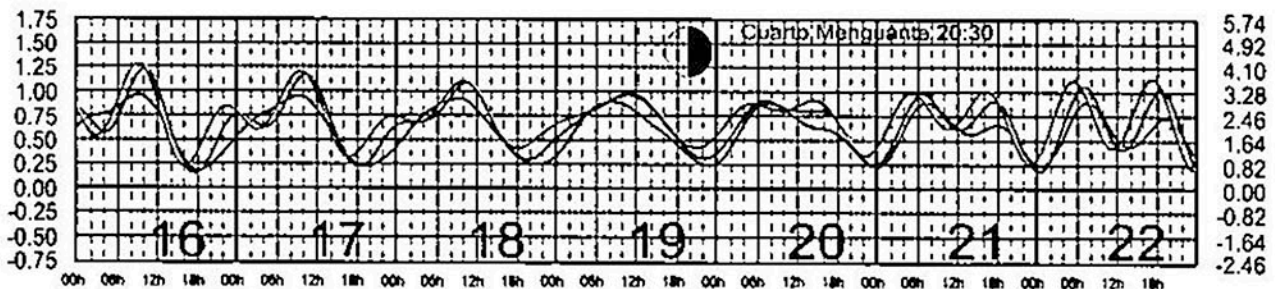
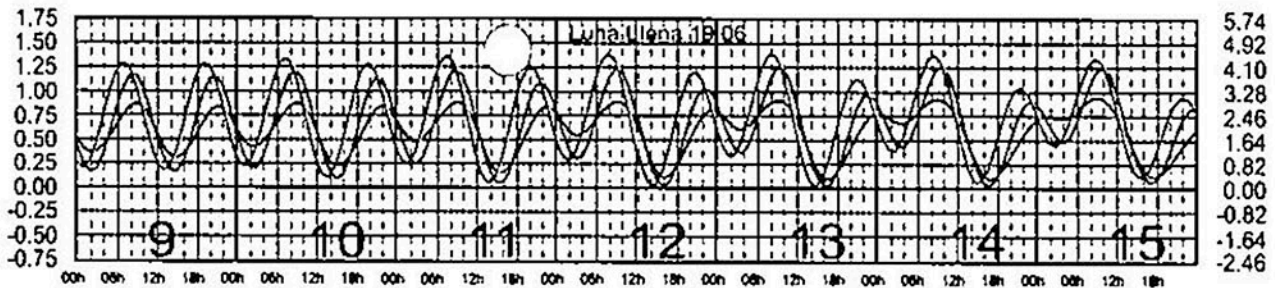
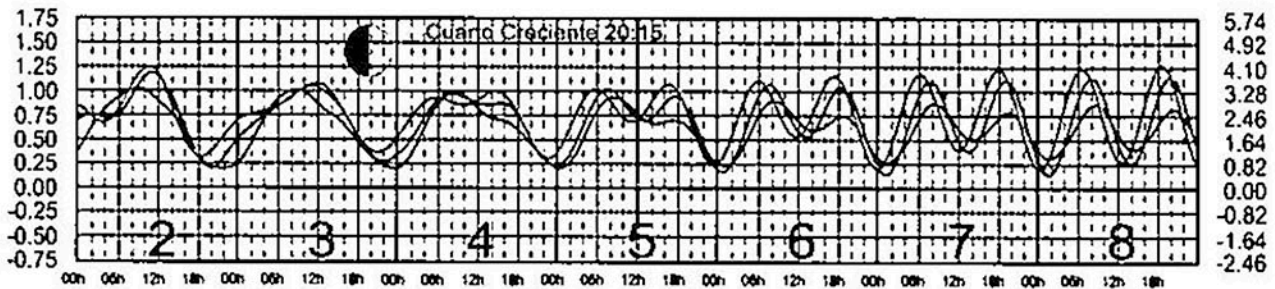
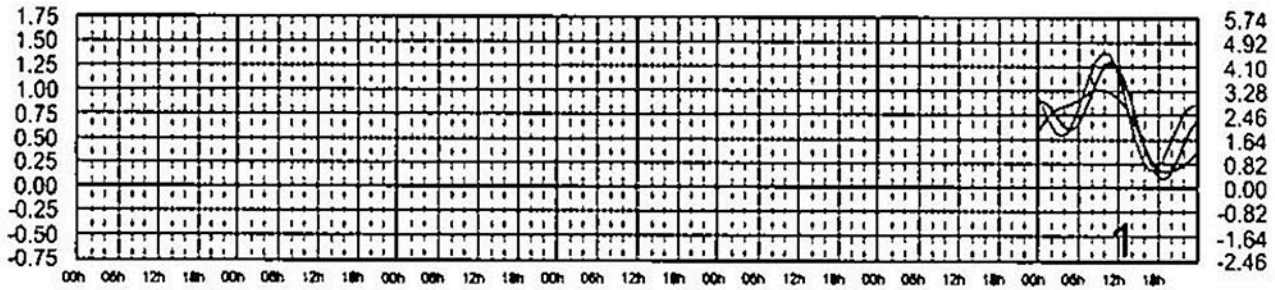
# OCTUBRE, 2011

Hora del Meridiano 105°(W)

Plano de Referencia NBMI

GUAYMAS, SON. ———  
 TOPOLOBAMPO, SIN. ———  
 MAZATLAN, SIN. ———

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



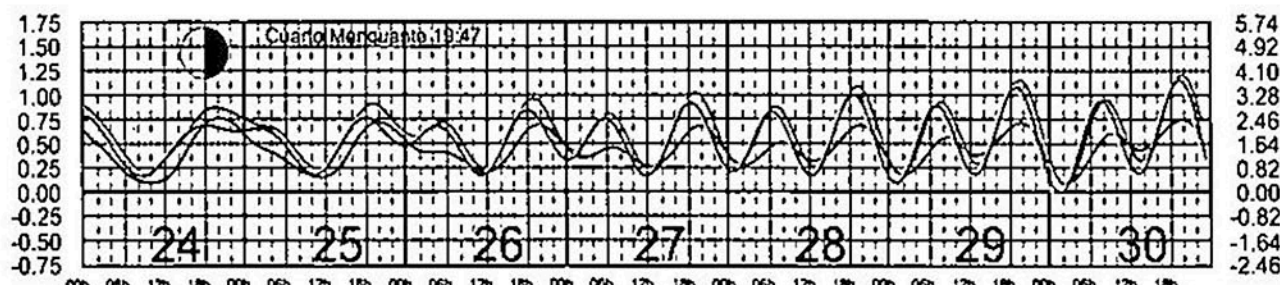
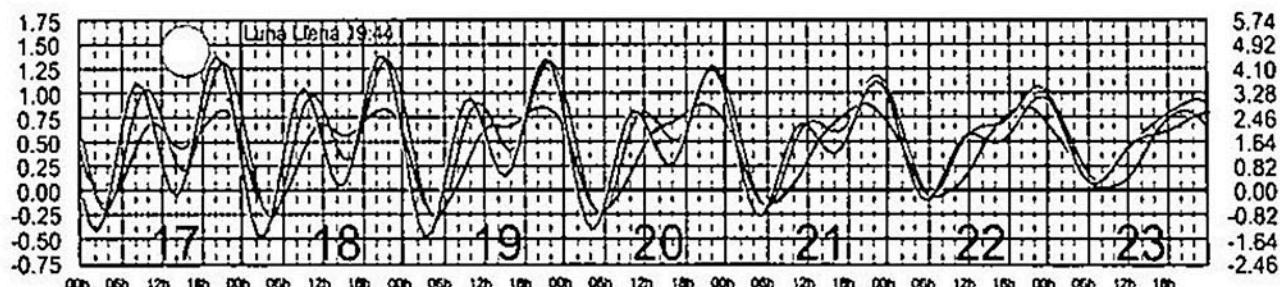
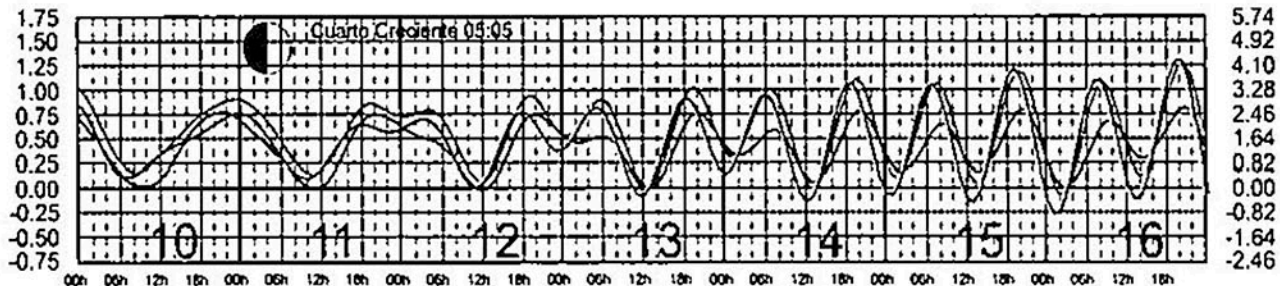
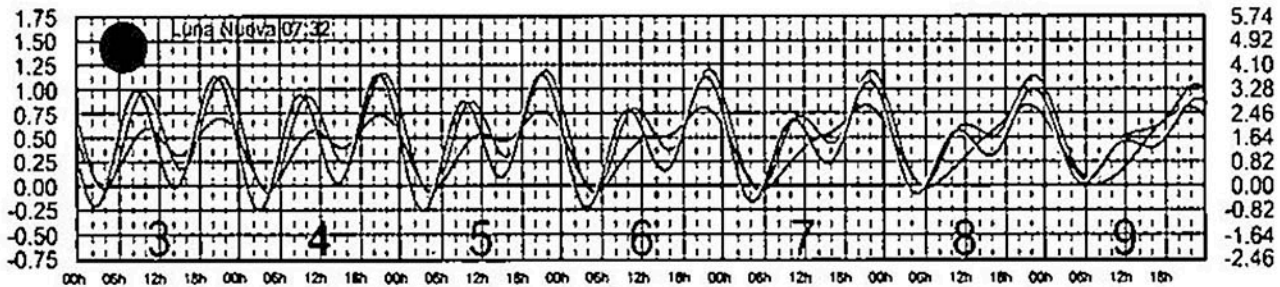
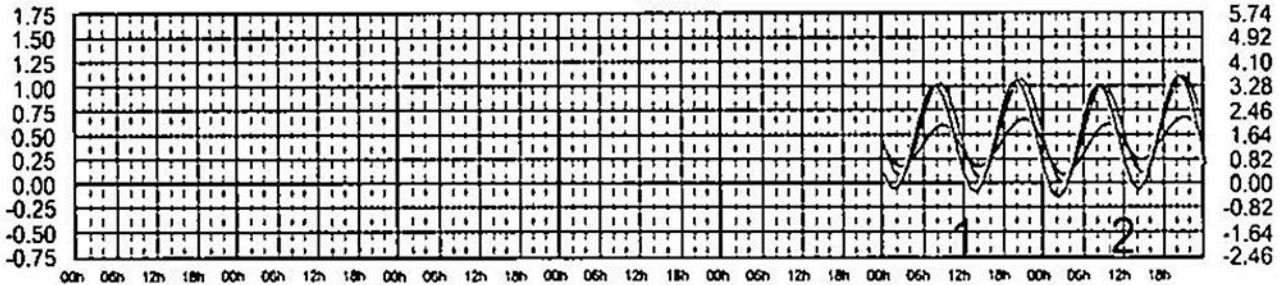
# ABRIL, 2011

Hora del Meridiano 105°(W)

Plano de Referencia NBMI

GUAYMAS, SON. ———  
 TOPOLOBAMPO, SIN. ———  
 MAZATLAN, SIN. ———

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES





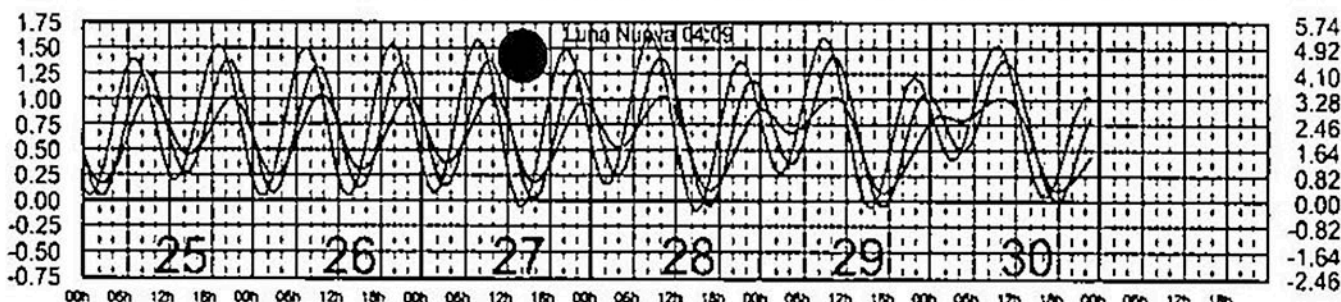
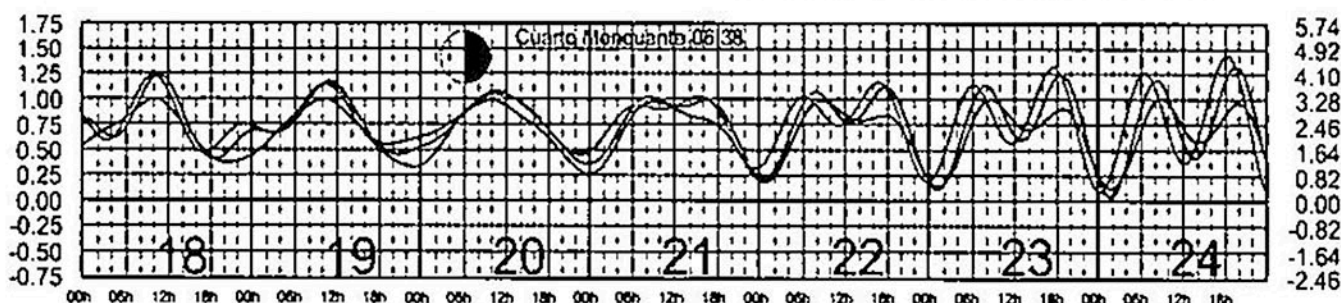
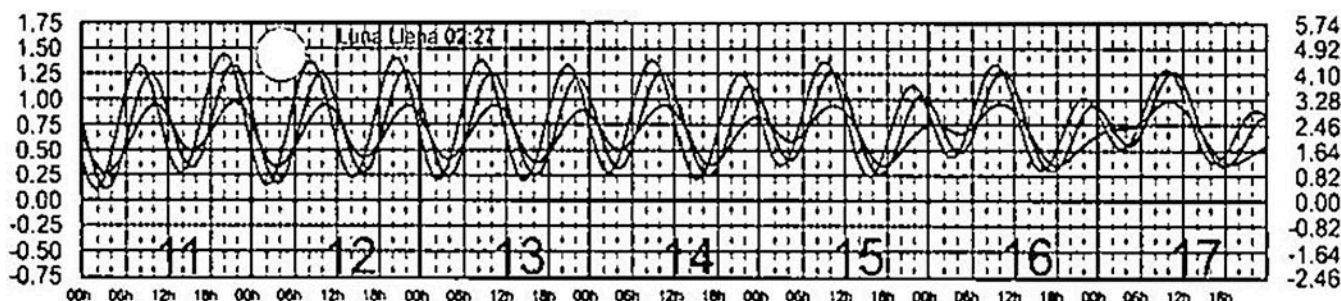
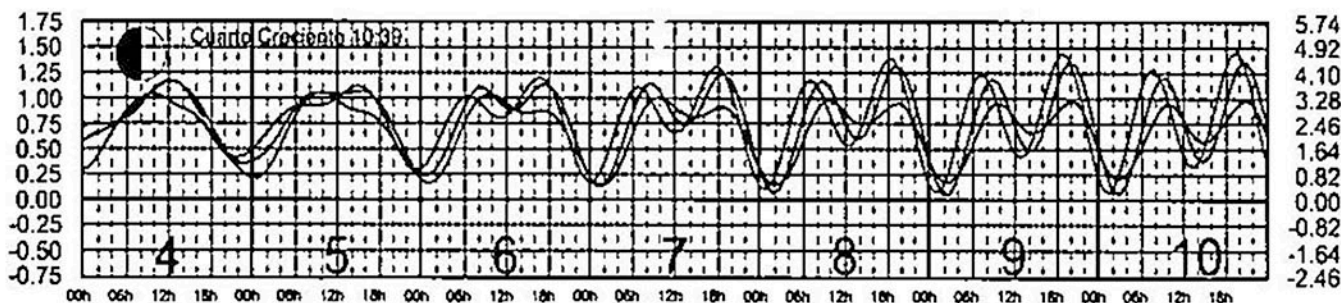
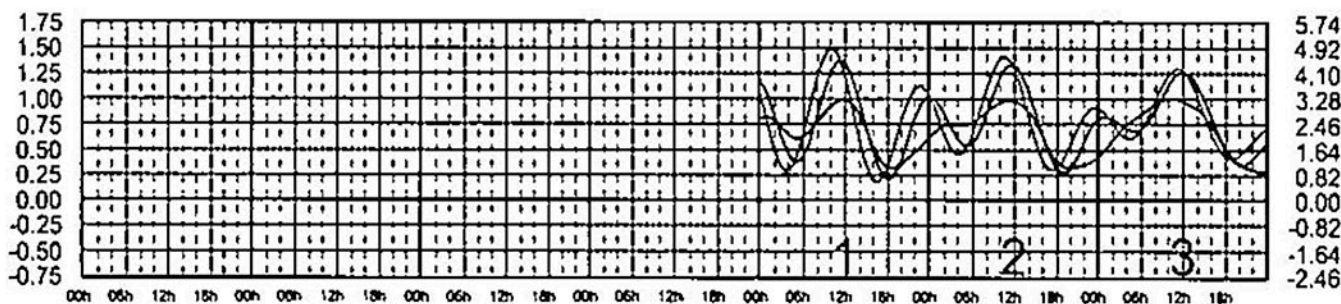
# SEPTIEMBRE, 2011

Hora del Meridiano 105°(W)

Plano de Referencia NBMI

GUAYMAS, SON. ———  
 TOPOLOBAMPO, SIN. ———  
 MAZATLAN, SIN. ———

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



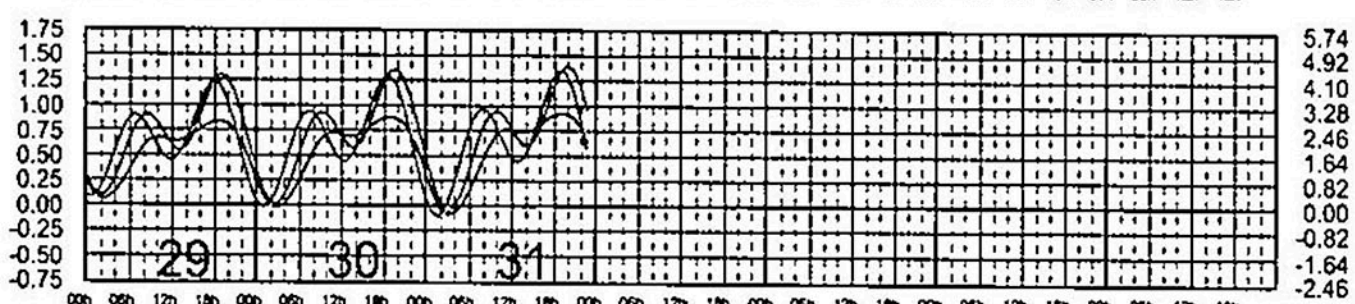
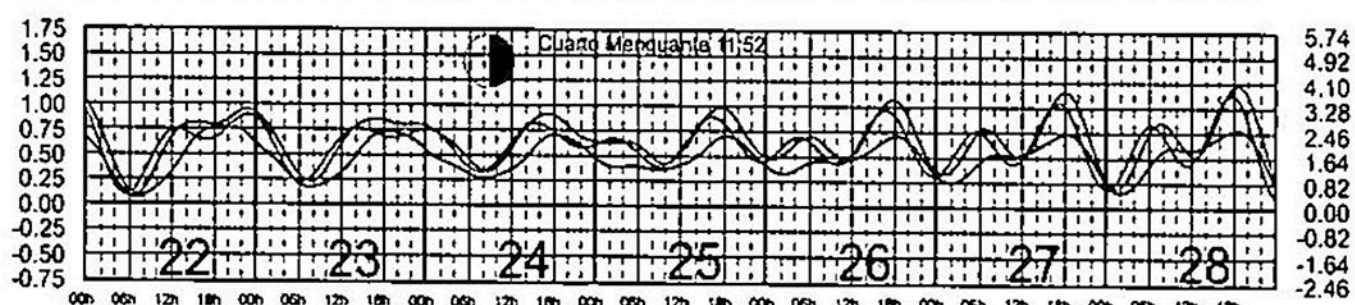
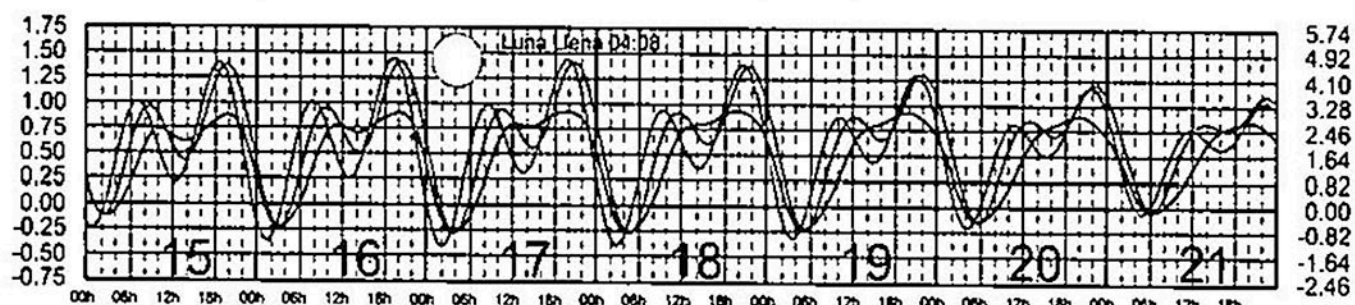
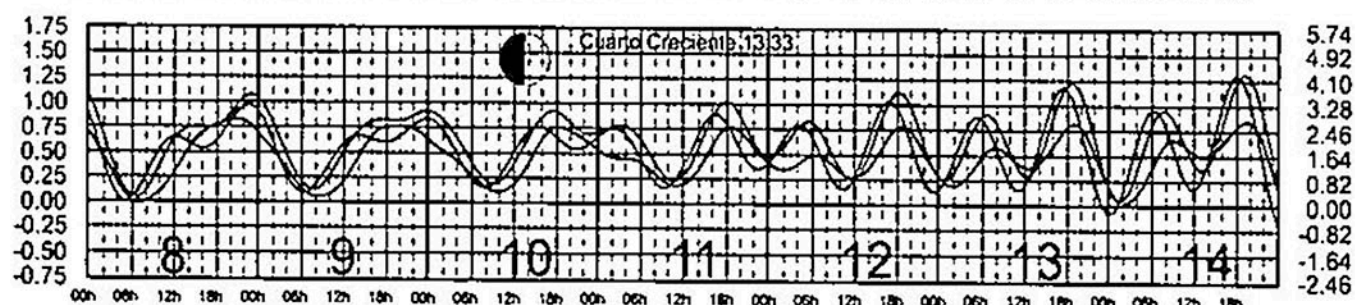
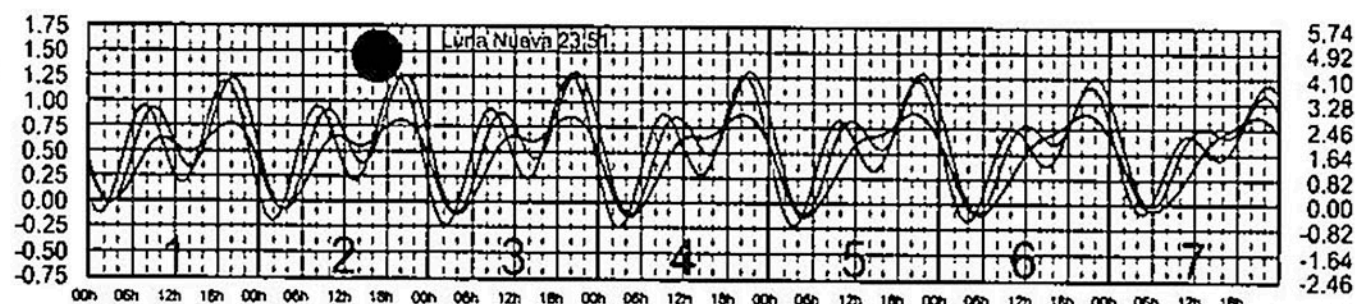
# MAYO, 2011

Hora del Meridiano 105°(W)

Plano de Referencia NBMI

GUAYMAS, SON. ———  
 TOPOLOBAMPO, SIN. ———  
 MAZATLAN, SIN. ———




METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



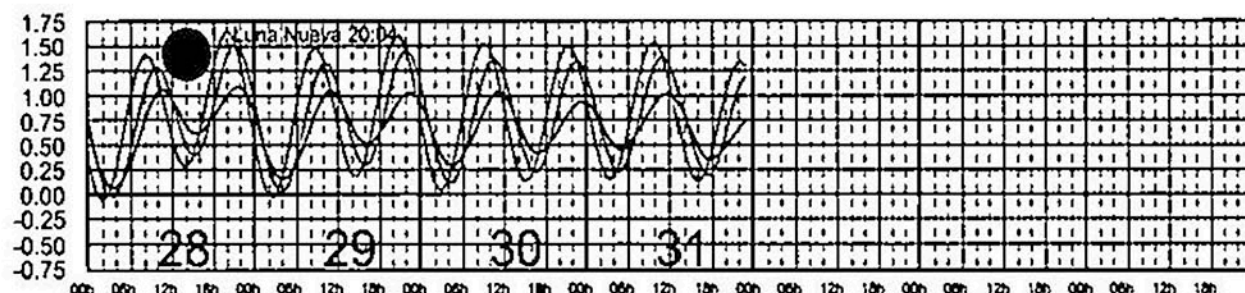
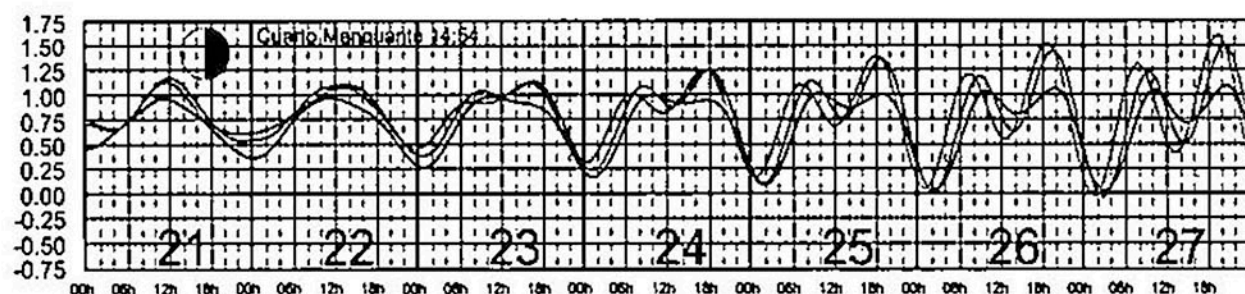
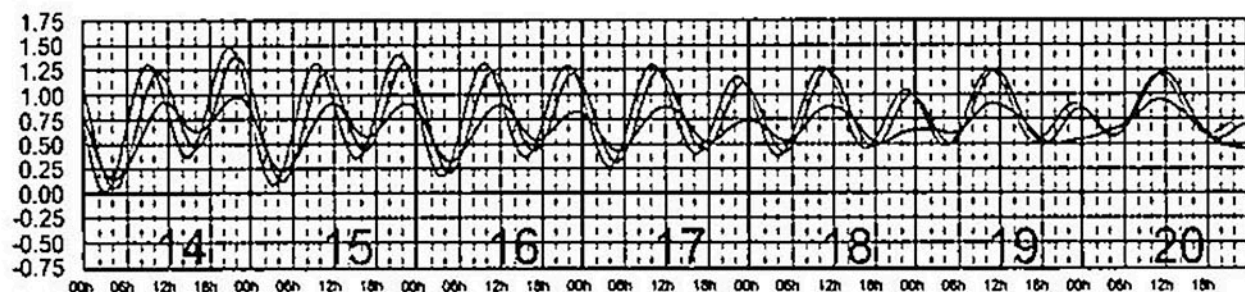
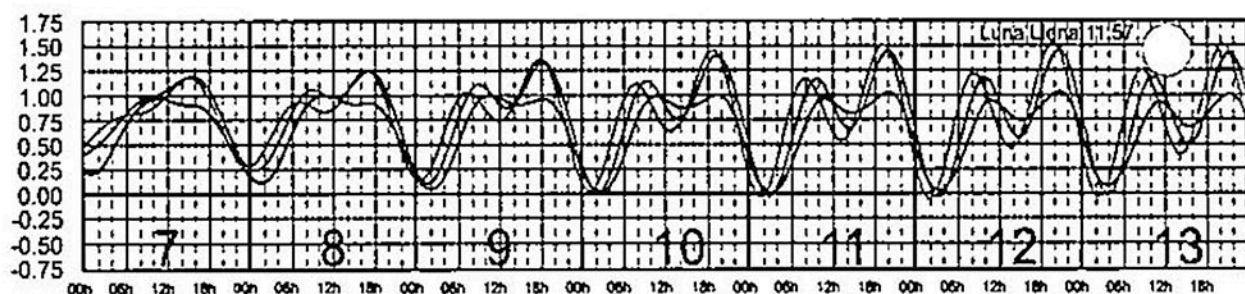
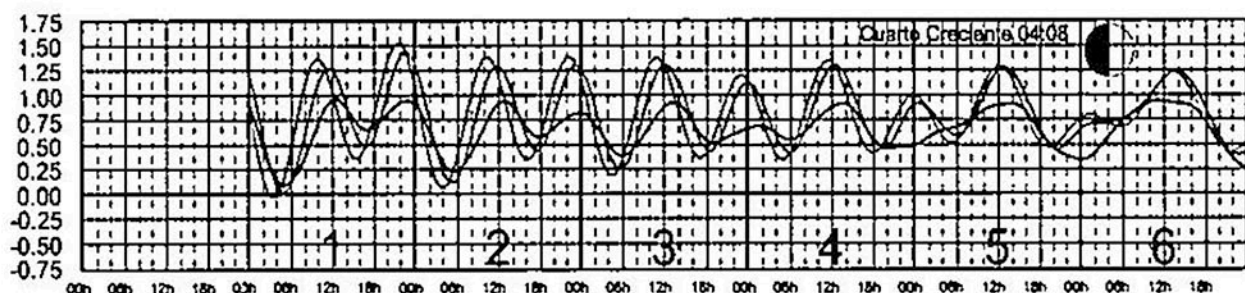
# AGOSTO, 2011

Hora del Meridiano 105°(W)

Plano de Referencia NBMI

GUAYMAS, SON.   
 TOPOLOBAMPO, SIN.   
 MAZATLAN, SIN. 

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES





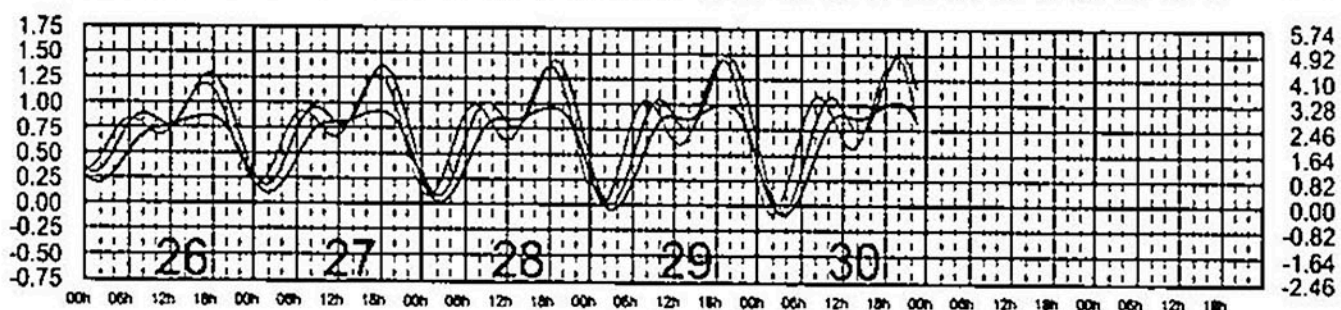
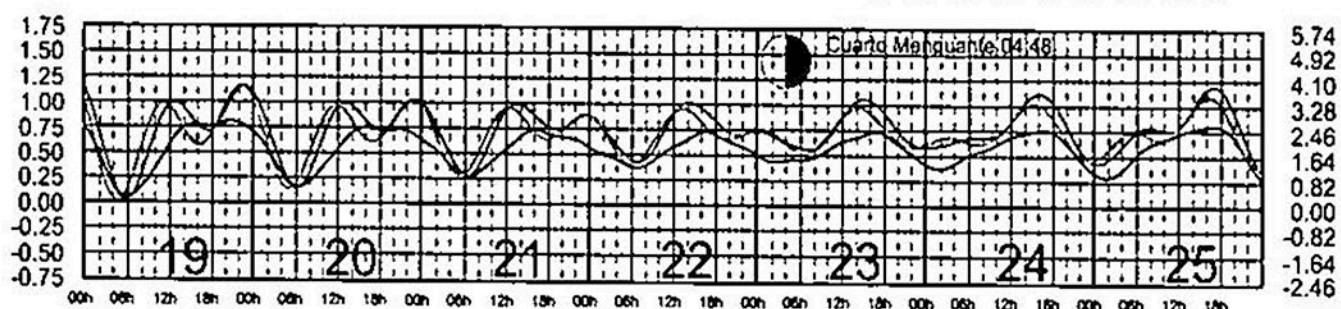
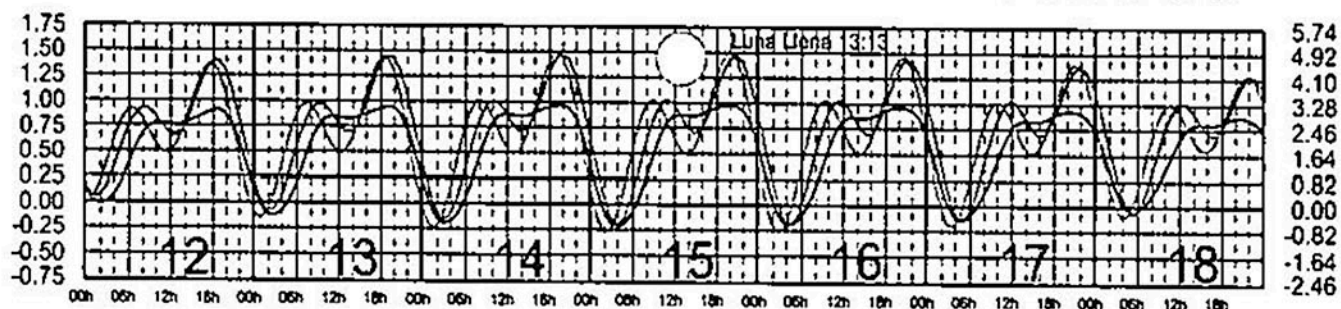
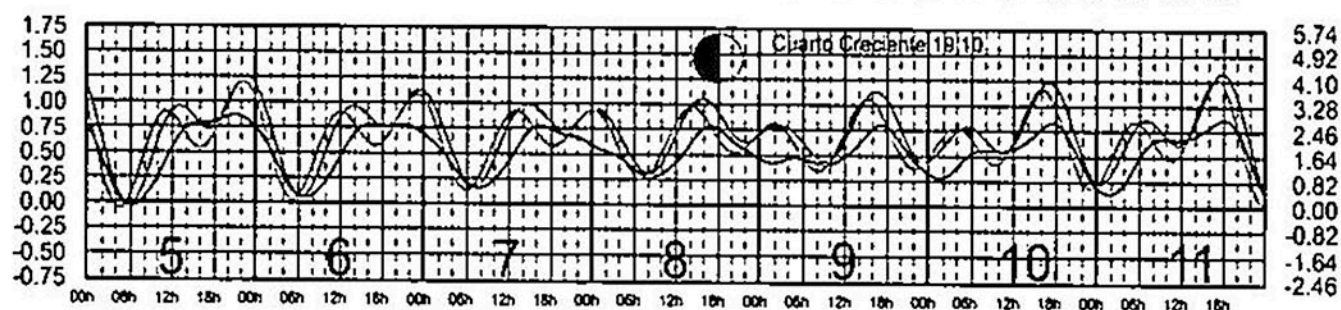
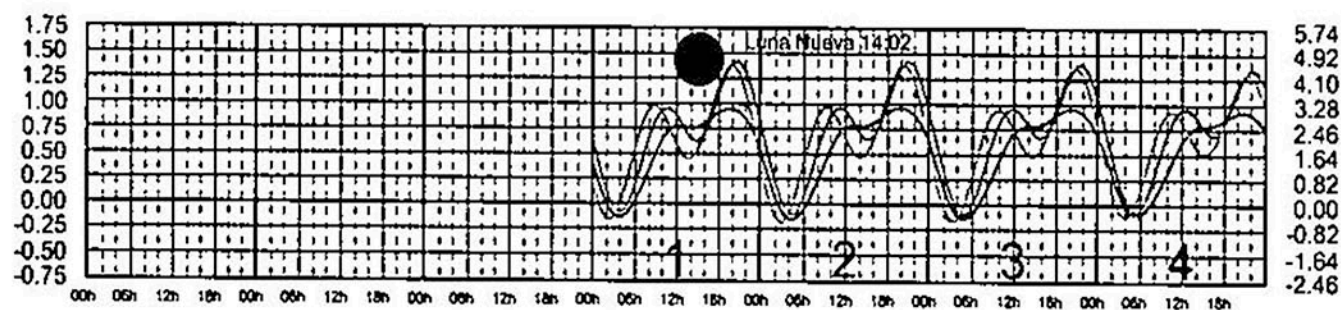
# JUNIO, 2011

Hora del Meridiano 105°(W)

Plano de Referencia NBMI

GUAYMAS, SON. ———  
 TOPOLOBAMPO, SIN. ———  
 MAZATLAN, SIN. ———




METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



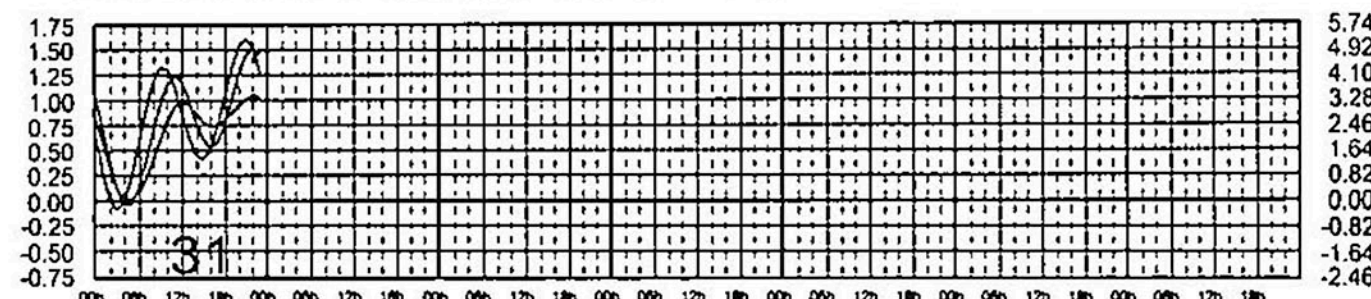
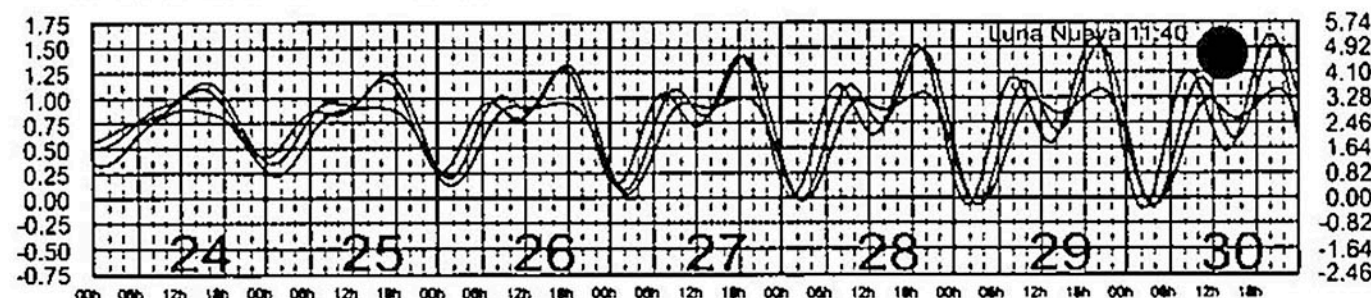
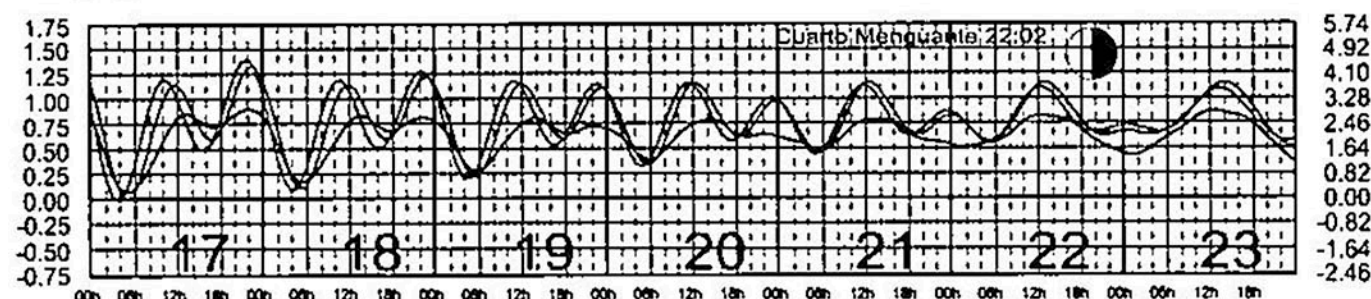
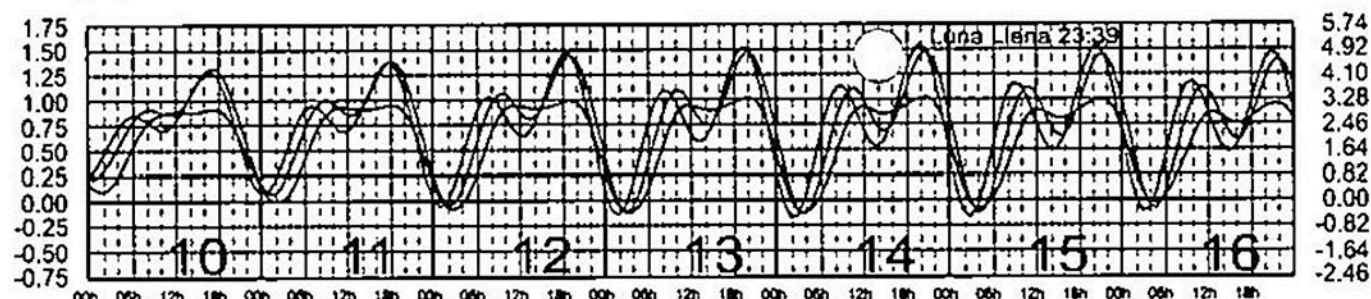
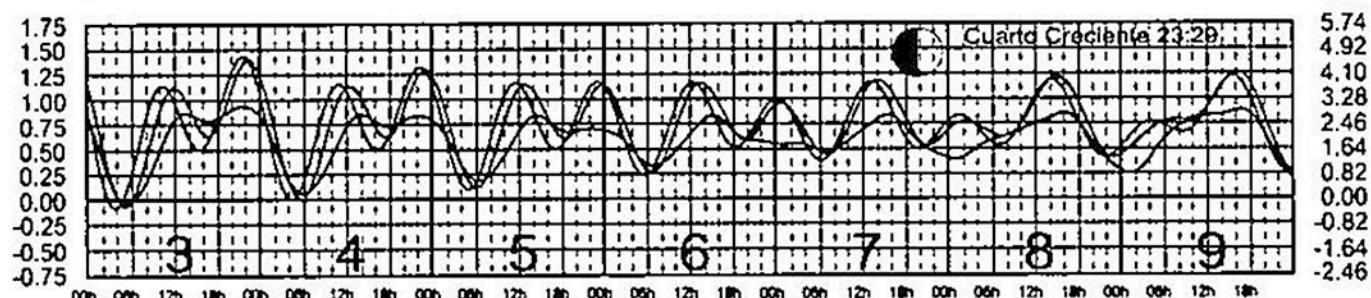
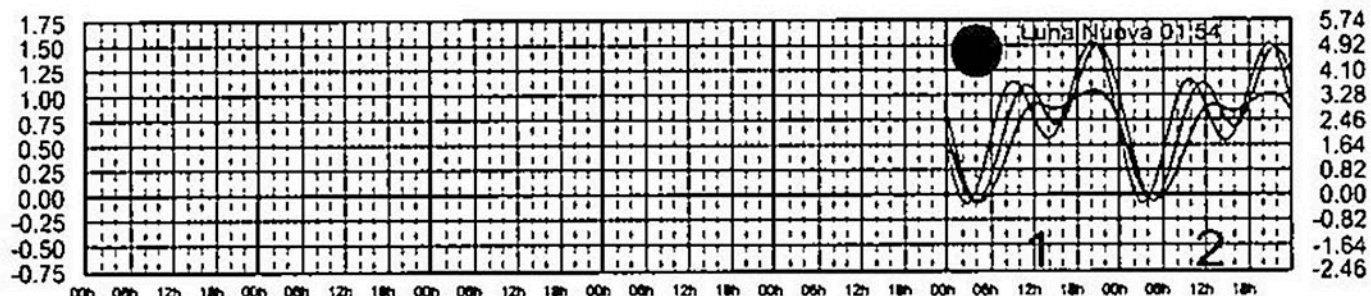
# JULIO, 2011

Hora del Meridiano 105°(W)

Plano de Referencia N8MI

GUAYMAS, SON.   
 TOPOLOBAMPO, SIN.   
 MAZATLAN, SIN. 

METROS DOMINGO LUNES MARTES MIÉRCOLES JUEVES VIERNES SÁBADO PIES



# Calendario Gráfico de Mareas

## OCÉANO PACÍFICO

2011

Guaymas, Son.

Topolobampo, Sin.

Mazatlán, Sin.

Lázaro Cárdenas, Mich.

Zihuatanejo, Gro.

Acapulco, Gro.

San Blas, Nay.

Puerto Vallarta, Jal.

Manzanillo, Col.

Huatulco, Oax.

Salina Cruz, Oax.

Puerto Chiapas, Chis.

