SHINe PROGRAM

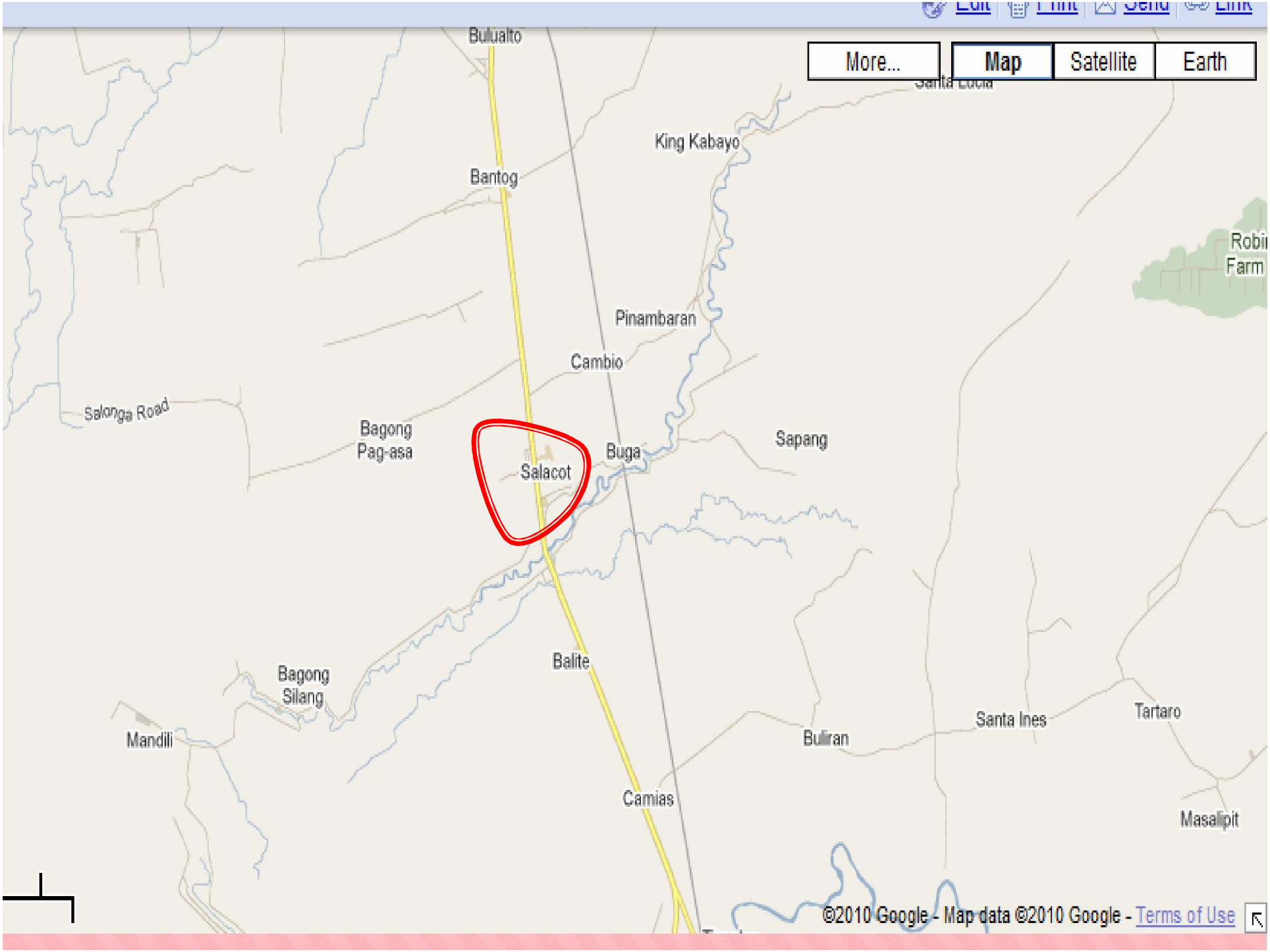
(Vedasto R. Santiago High School)

VEDASTO R. SANTIAGO HIGH SCHOOL (VRSHS), an annex of San Miguel National High School is one of the four public secondary schools in the town of San Miguel, province of Bulacan. The school is located in Barangay Salacot located in the northern part of San Miguel and western part of Candaba, Pampanga. A place gifted with natural beauty of green rice fields and vegetables.

SALACOT is one of the biggest barrios of the town of San Miguel. During the 19th century, the present location of Salacot, was a wide expanse of lowland covered with tall grasses and thick forest.

PROFILE

Total Land Area:	144.35 hectares
Total Population:	2, 698
Total No. Of Households:	605
Distance to Poblacion:	5 kms.


More...
Map
Satellite
Earth
Bulualto
Bantog
King Kabayo
Pinambaran
Cambio
Salonga Road
Bagong
Pag-asa
Salacot
Buga
Sapang
Balite
Bagong
Silang
Mandili
Buliran
Santa Ines
Tartaro
Camias
Masalipit
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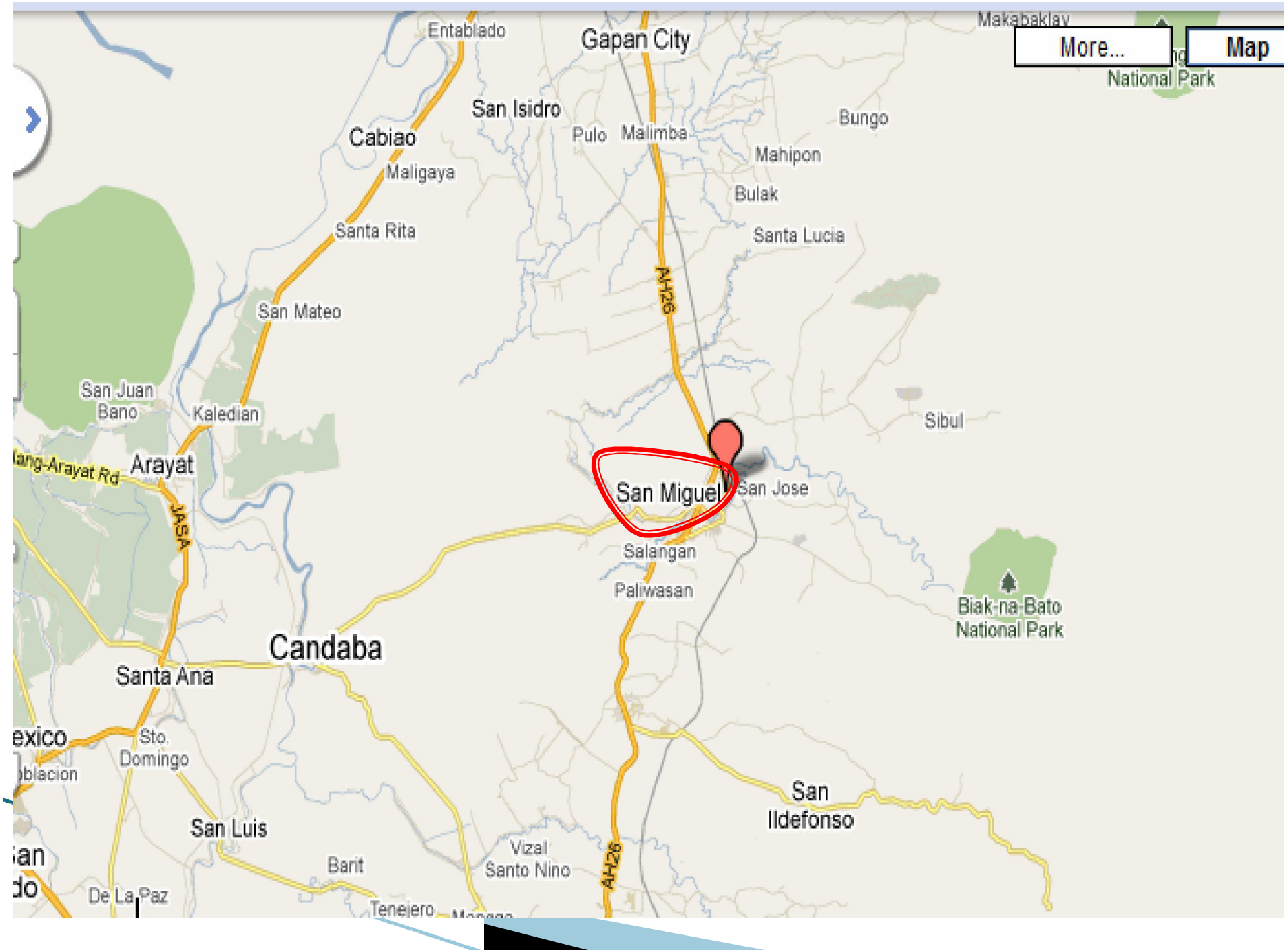
SAN MIGUEL DE MAYUMO

San Miguel De Mayumo is one of Bulacan's first and biggest municipality. Founded in 1973, it is a town that lies in the Northern fringe of the province bounded in the North by the flatlands of Gapan City; in the Northeast of DRT; in the Northwest of the swamps of Candaba, Pampanga; in the Southeast by the developing town of San Ildefonso. The area consists of interdependent ecosystems with mix cavernous highlands, mineral reserves, fertile plains, sparkling springs and winding rivers.


More...
Map
Entablado
Gapan City
Makabaklay
National Park
San Isidro
Cabiao
Pulo
Malimba
Bungo
Mahipon
Maligaya
Bulak
Santa Rita
Santa Lucia
AH26
San Mateo
San Juan
Bano
Kaledian
Sibul
Arayat
San Miguel
San Jose
JASA
Salangan
Paliwasan
Biak-na-Bato
National Park
Candaba
Santa Ana
Sto.
Domingo
San
Ildefonso
San Luis
Vizal
Santo Nino
Barit
De La Paz
Tenejero

School Hydrological Information Network (SHINe) Program

SHINe Program is a joint project of the Provincial Government of Bulacan and the PRFFWS/PAGASA. Its main objective is to increase disaster awareness to the school populace; prevent loss of life and protect property by achieving and maintaining a high-level of preparedness.

Last February 17, 2009 an activity called "Orientation on School Hydrological Information Network (SHINe) was conducted by the Provincial Government of Bulacan and the PRFFWS/PAGASA here in Vedasto R. Santiago High School.

A photo taken after the orientation on school hydrological information network (SHINe) last February 17, 2009.

The VRSHS students as they listen attentively with the lecture of one of the competent speakers from PAGASA.

The speakers sent by the provincial government of Bulacan and PAGASA

RainWise® Inc.
Hundredths

SHINe Club Officers

SY 09-10

President: Roger Evangelista
Vice President: Angelica Caday
Secretary: Jacquiline Ballester
Treasurer: Jelyn Aggabao
Auditor: Charise Reyes
Representatives;
First Year: Shara Mariz Mempin
Second Year: Bhejay Diga
Third Year: Rizza Grace Baguisa
Muse: Rose Ann Maniquiz
Escort: Ace Francis Mallare

SY 10-11

President : Rizza Grace Baguisa
Vice President: Archie Valencia
Secretary: Vanessa Gutierrez
Treasurer: Shara Mariz Mempin
Auditor: Bhejay Diga
Representatives:
Second Year: Jholina Busalpa
Third Year: Liezl Adame
Fourth Year: Joy Florencio
Muse: Jean Carredo
Escort: Edward Joseph Toledo

THE SHINE MEMBERS

FIRST YEAR STUDENTS

SECOND YEAR STUDENTS

THIRD YEAR STUDENTS

FOURTH YEAR STUDENTS

A form for the personal profile of SHINe Club members was prepared for easy contact among each member.

PERSONAL PROFILE OF SHINE CLUB MEMBERS

Name:	Year&Sec	Address	Contact Number/s

Form for the monitoring schedule was also done.

MONITORING SCHEDULE

MONTH:

Day	Assigned Students			
	Name	Year & Section	Name	Year & Section
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

In this prepared form, assigned students for a particular day should sign as confirmation that the assignment was accomplished.

SCHEDULE OF MONITORING
PROTOTYPE

Month: _____

Day	6:00	7:00	8:00	9:00	10:00	11:00	12:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00
1															
2															
3															
4															
5															
6															
7															
8															

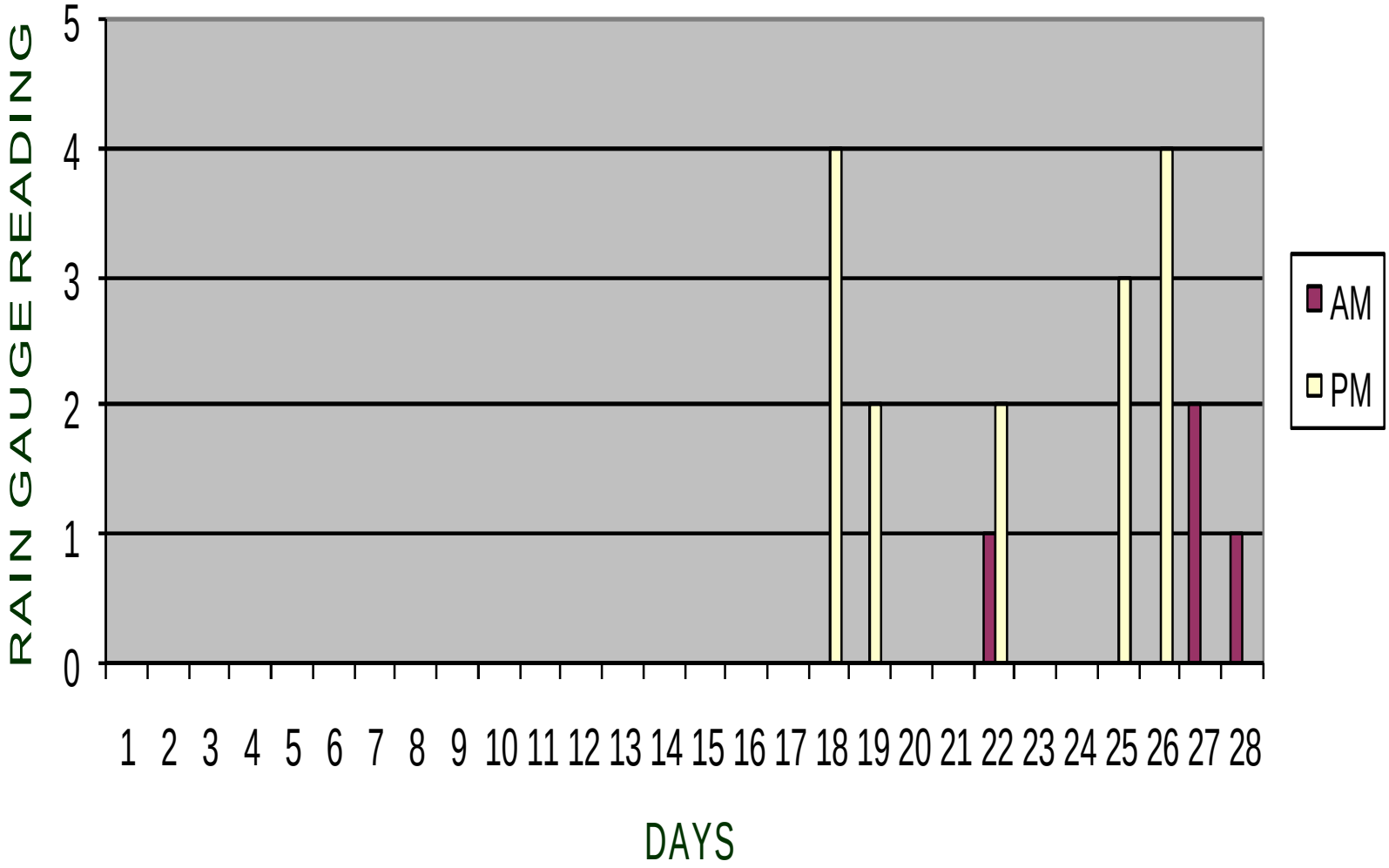
Form wherein collected figures are recorded

PROTOTYPE READINGS (JUNE 2010)

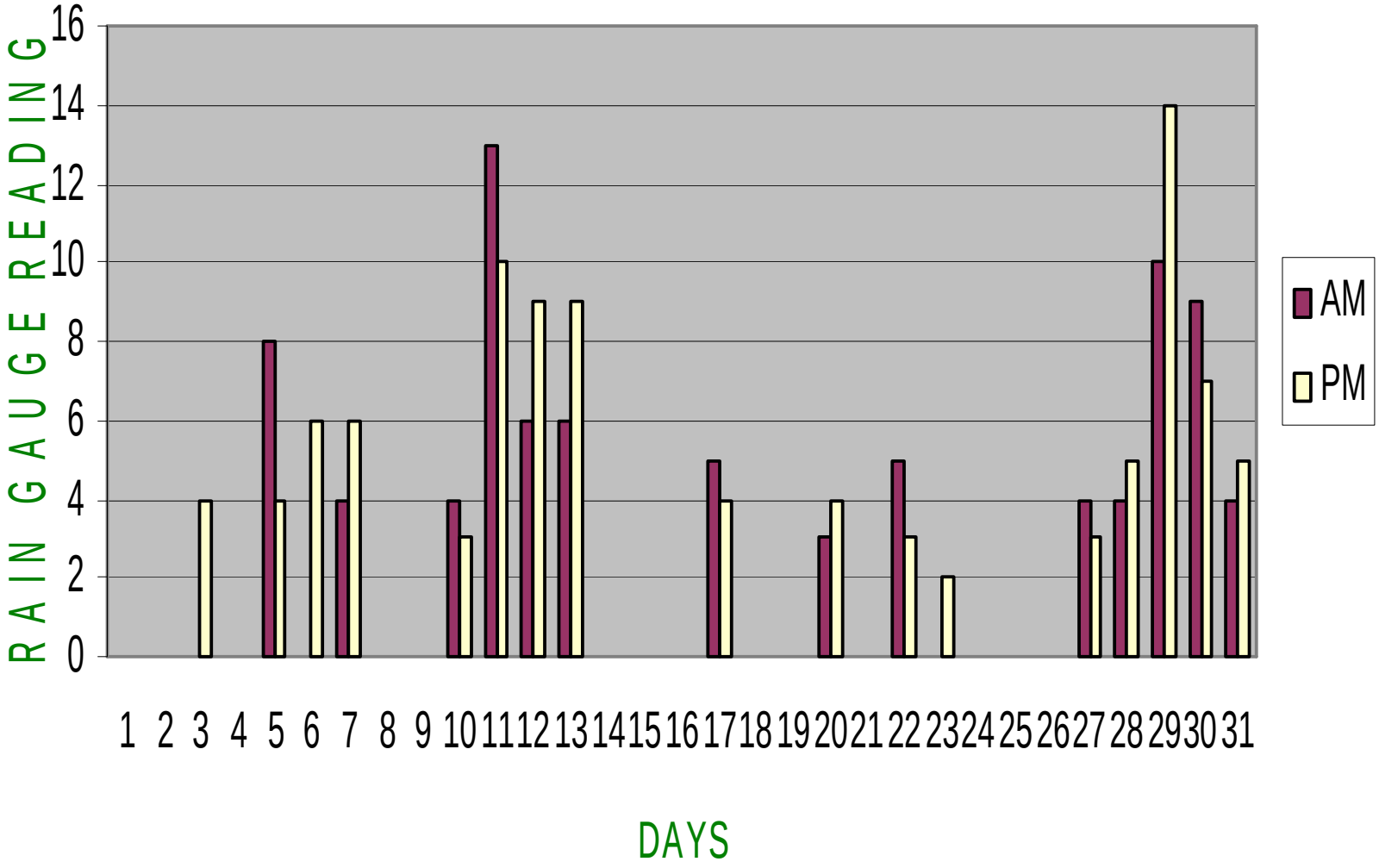
Day	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00
1																								
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								

Presentation of Gathered Data

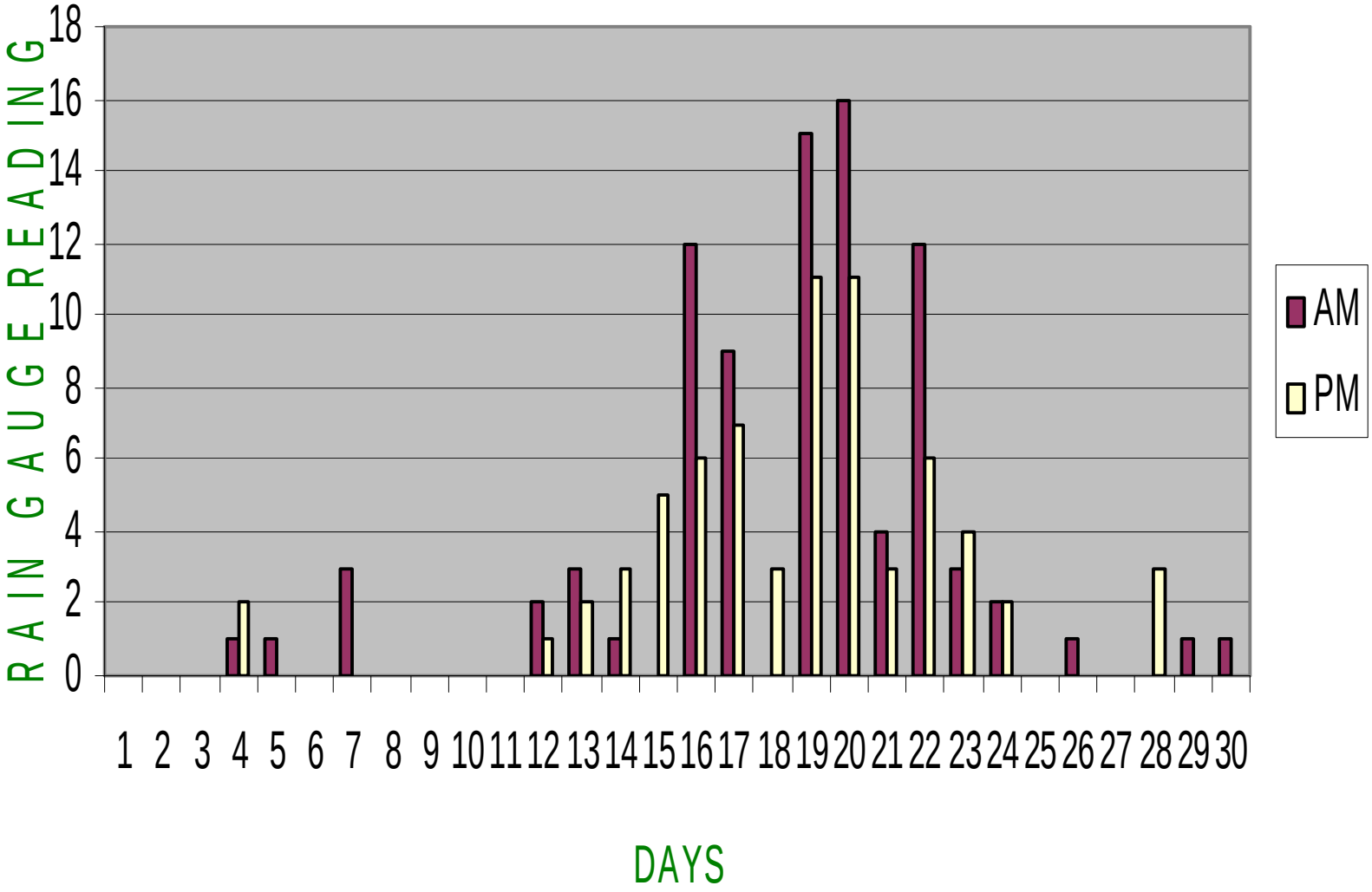
RAINFALL DATA (Feb. 2009)



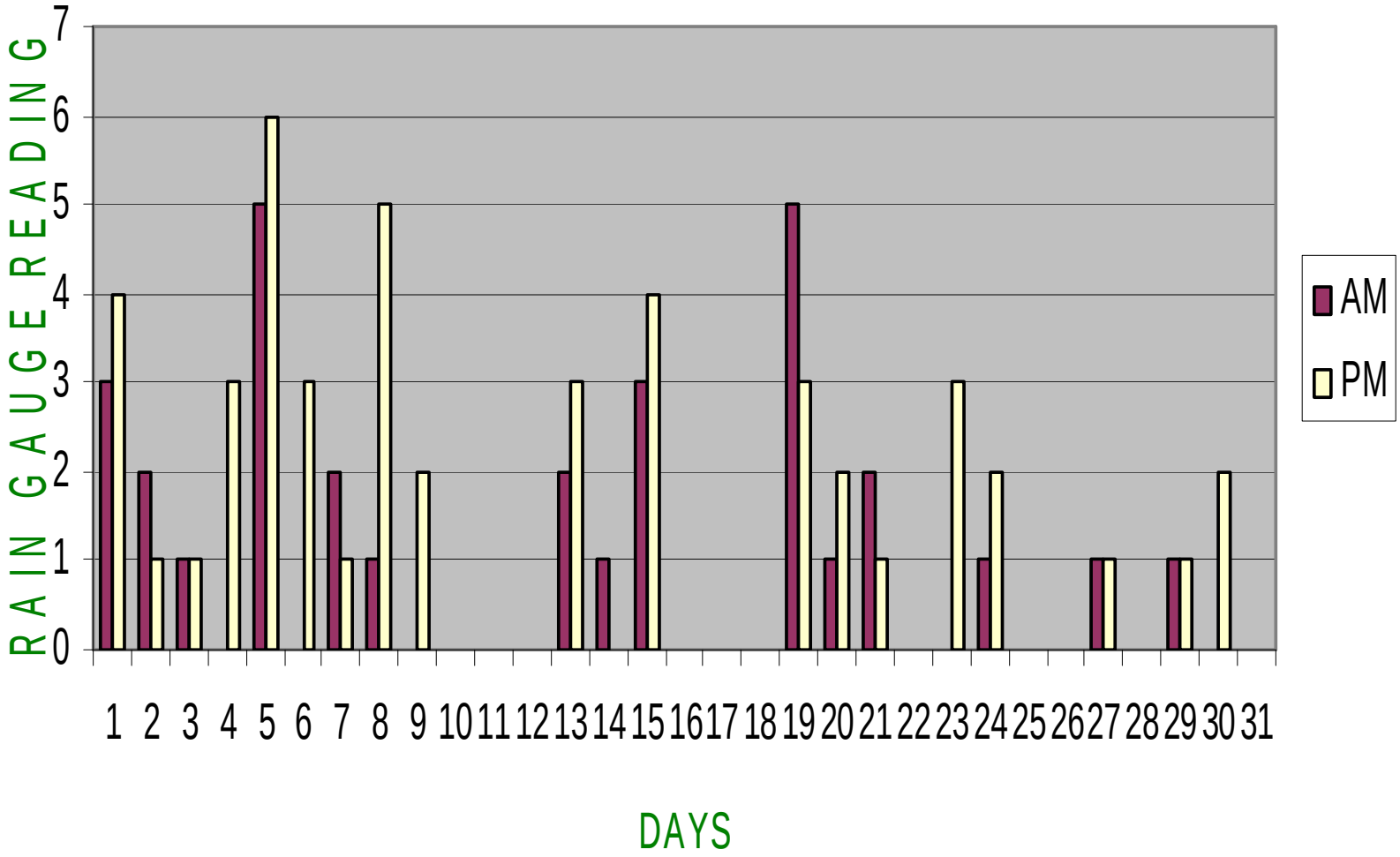
RAINFALL DATA (March 2009)



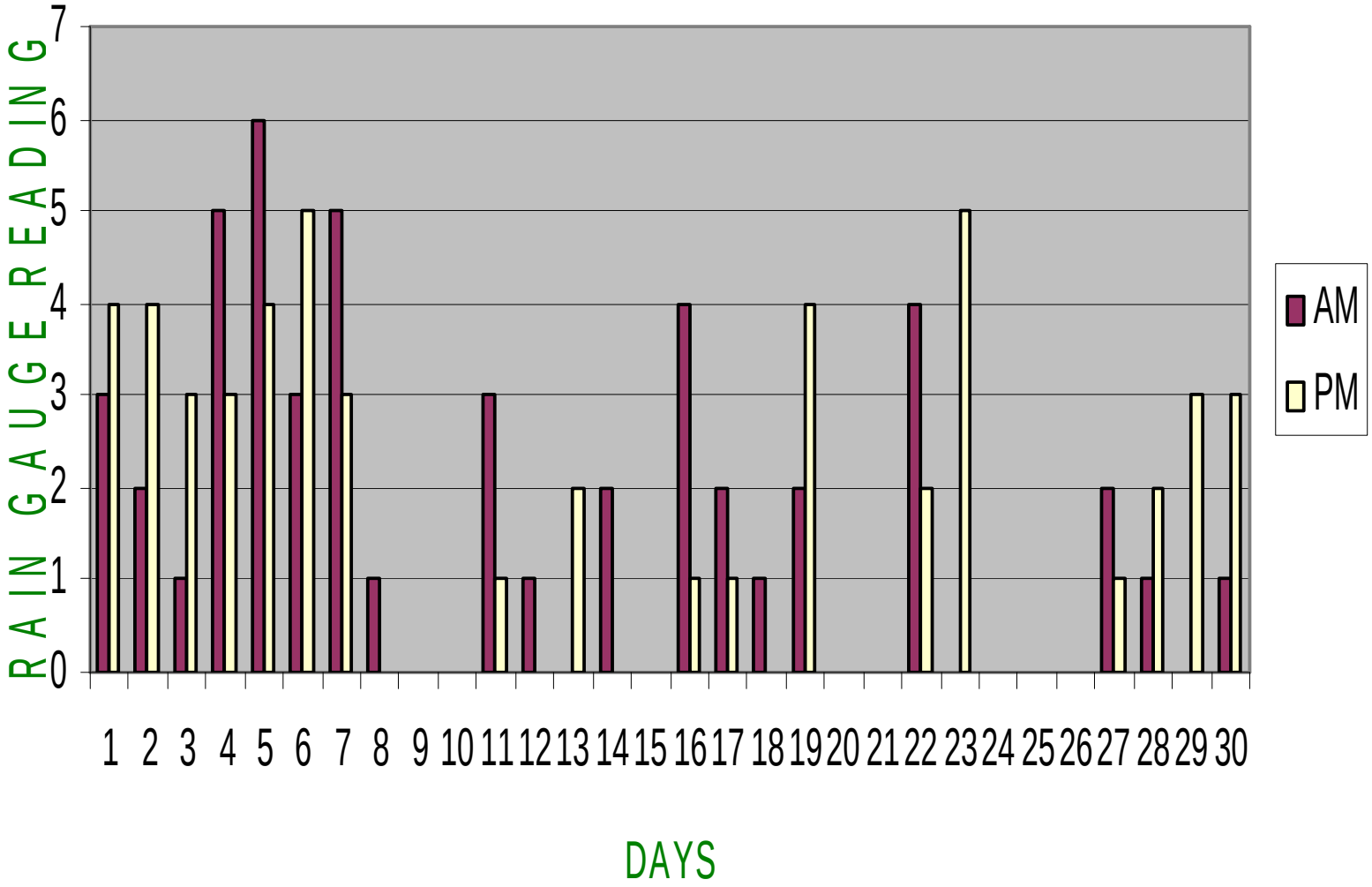
RAINFALL DATA (April 2009)



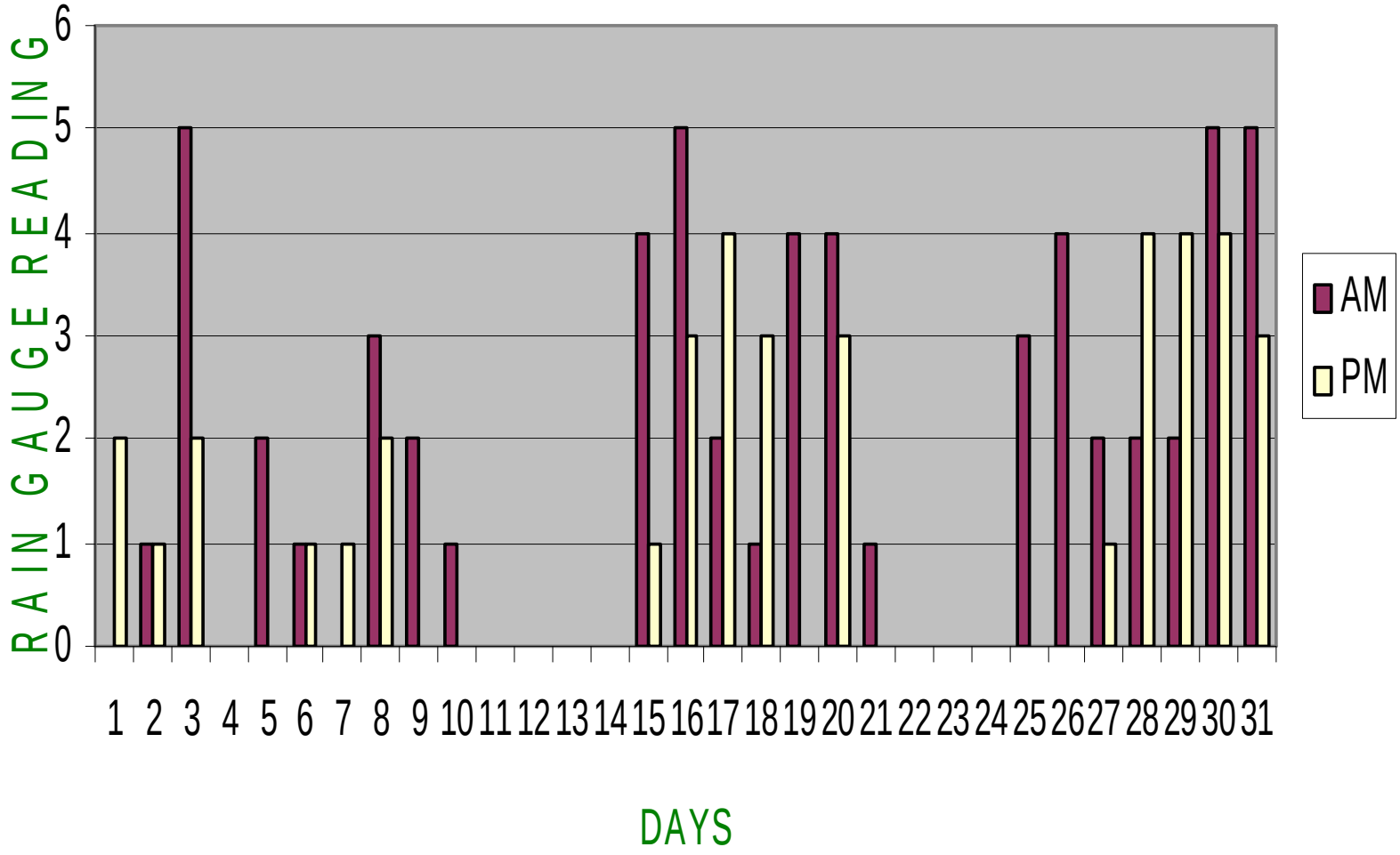
RAINFALL DATA (May 2009)



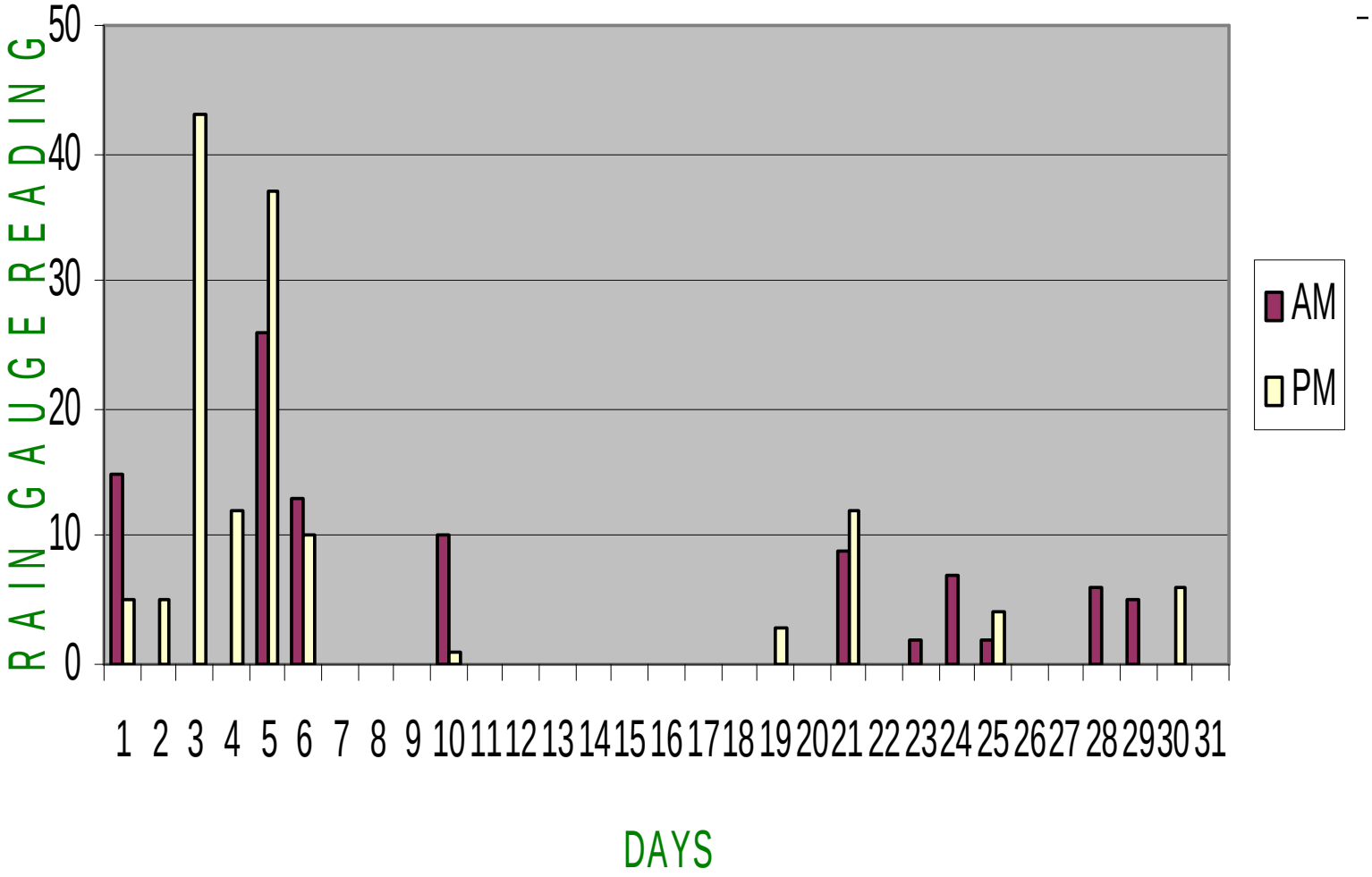
RAINFALL DATA (June 2009)



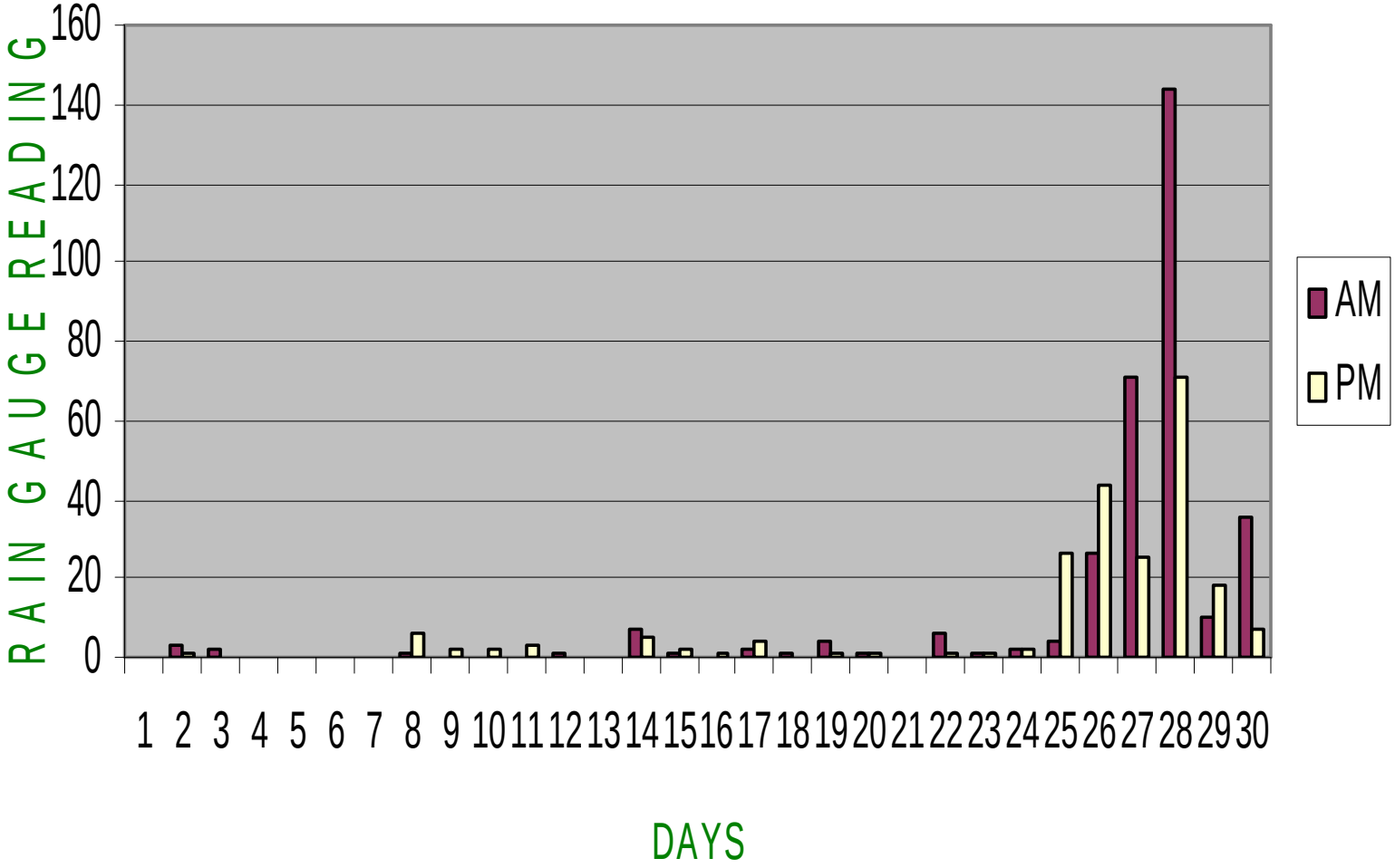
RAINFALL DATA (July 2009)



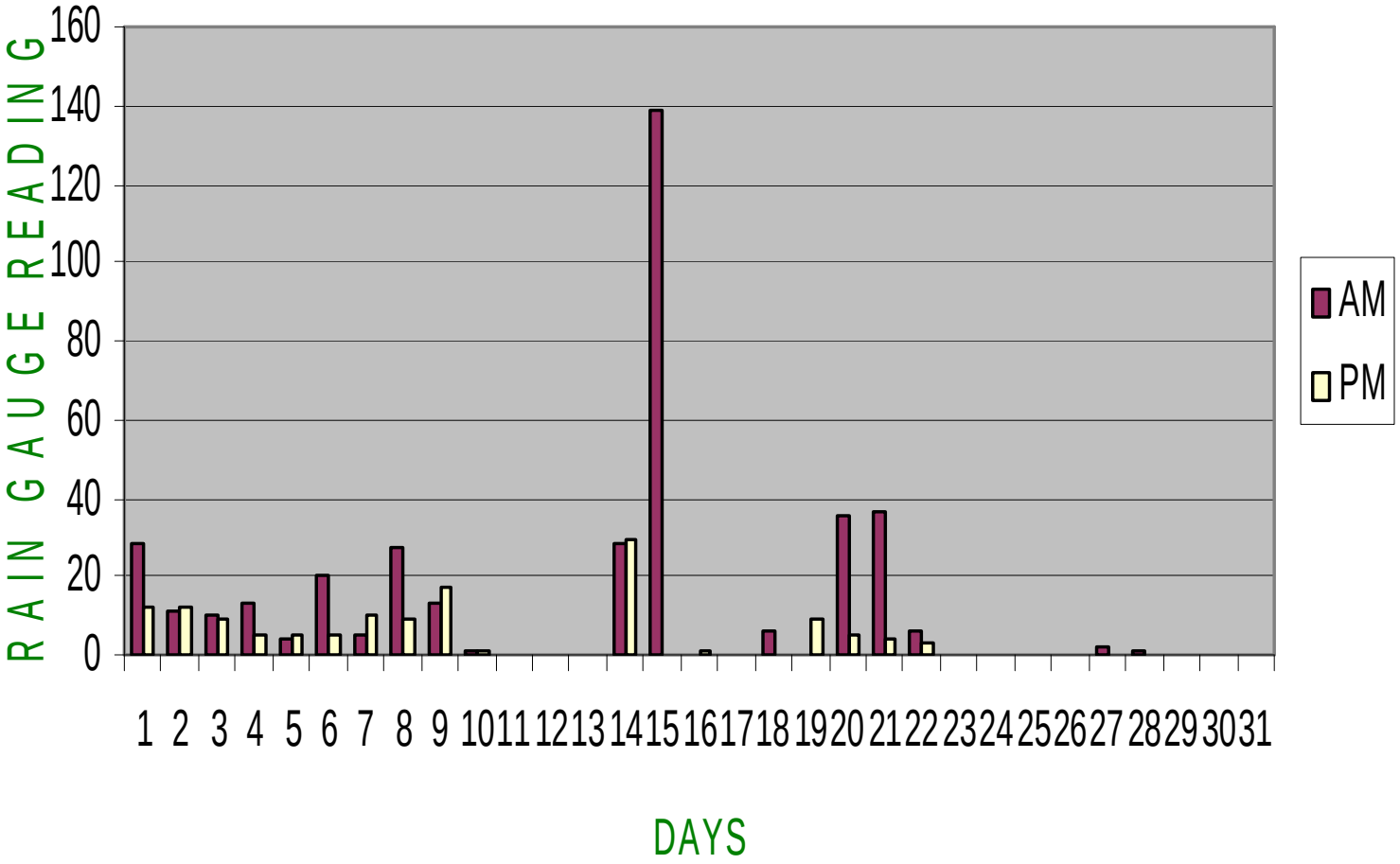
RAINFALL DATA (Aug. 2009)



RAINFALL DATA (Sept. 2009)



RAINFALL DATA (Oct. 2009)



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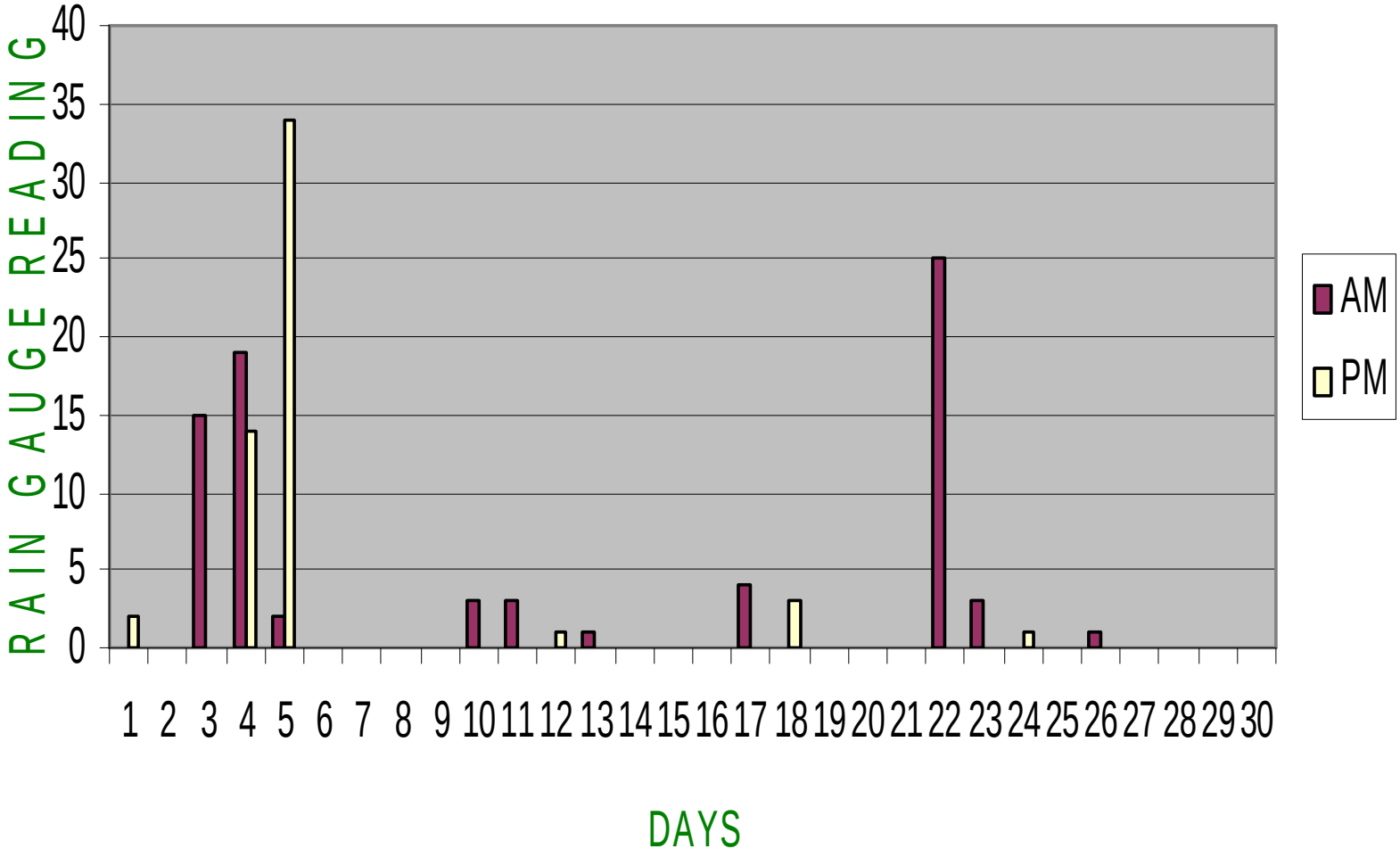
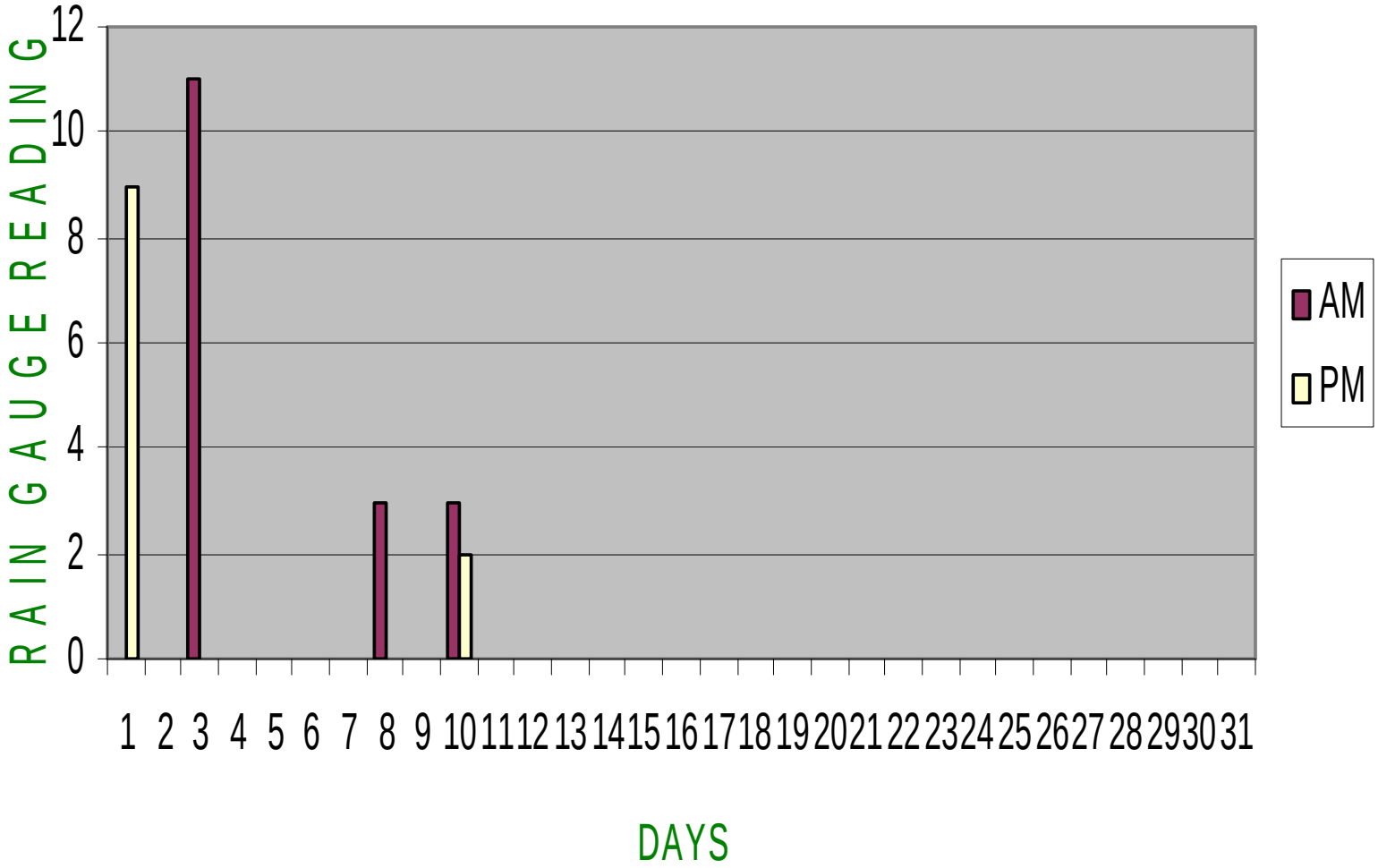


RAINFALL DATA (Dec. 2009)



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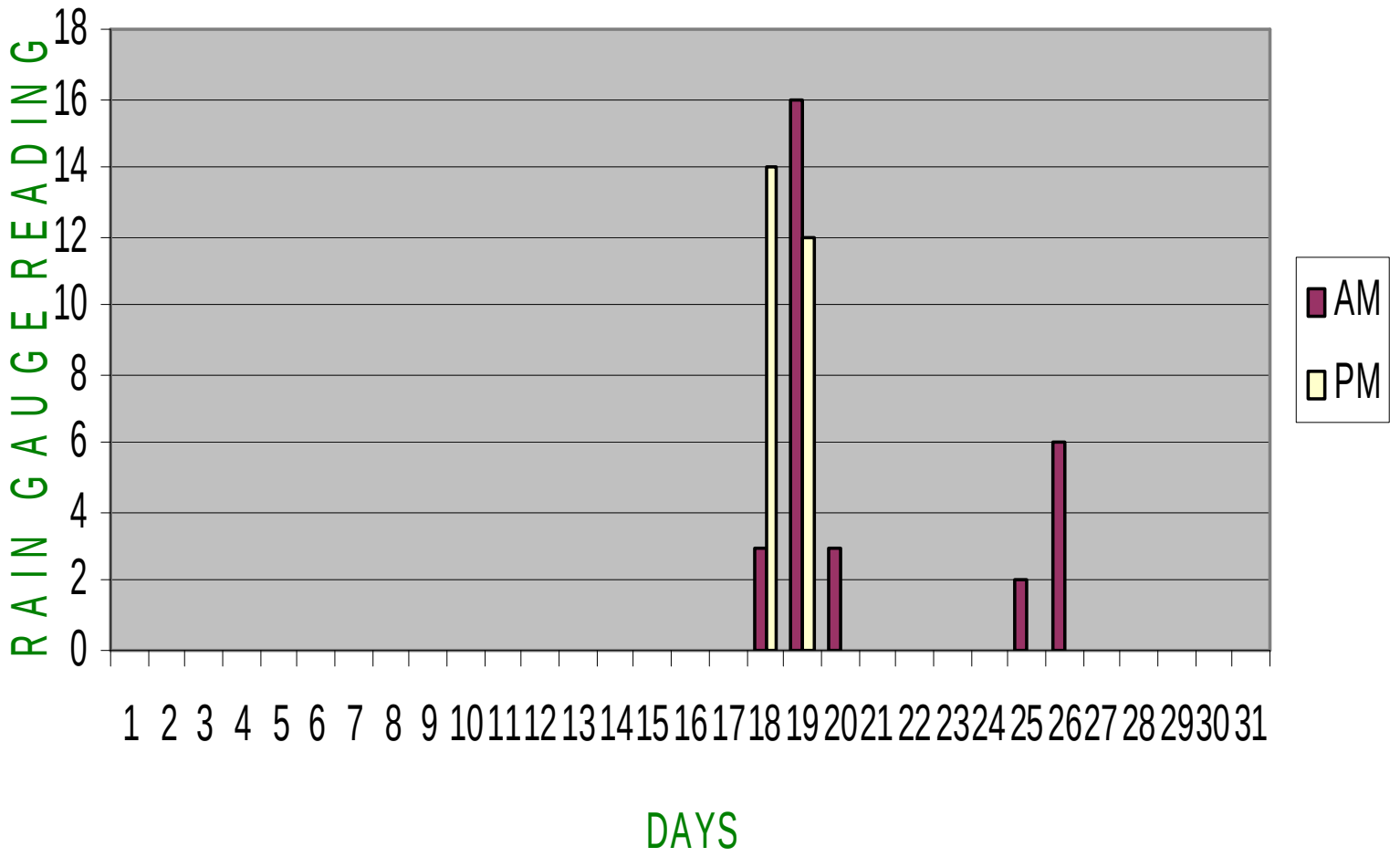

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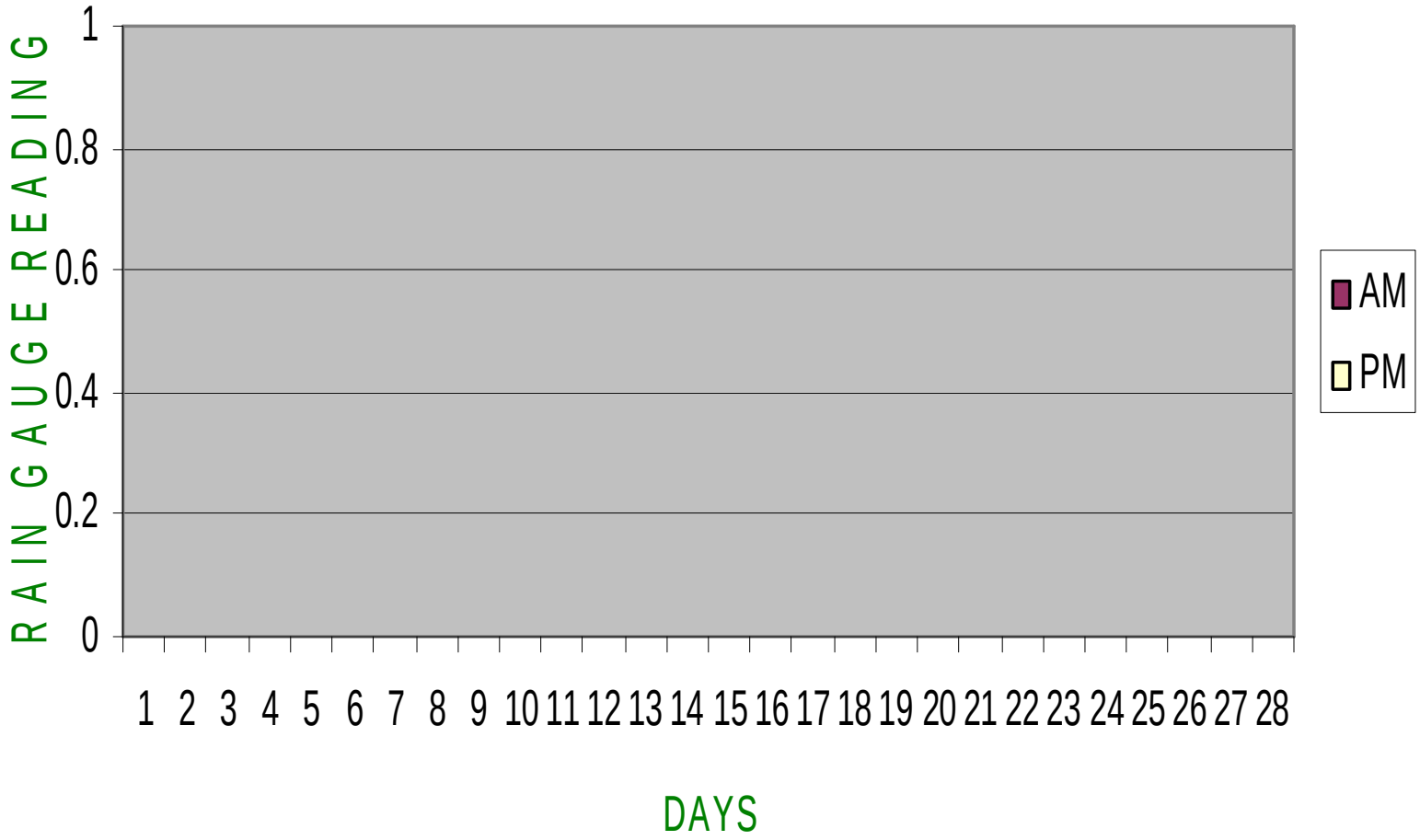

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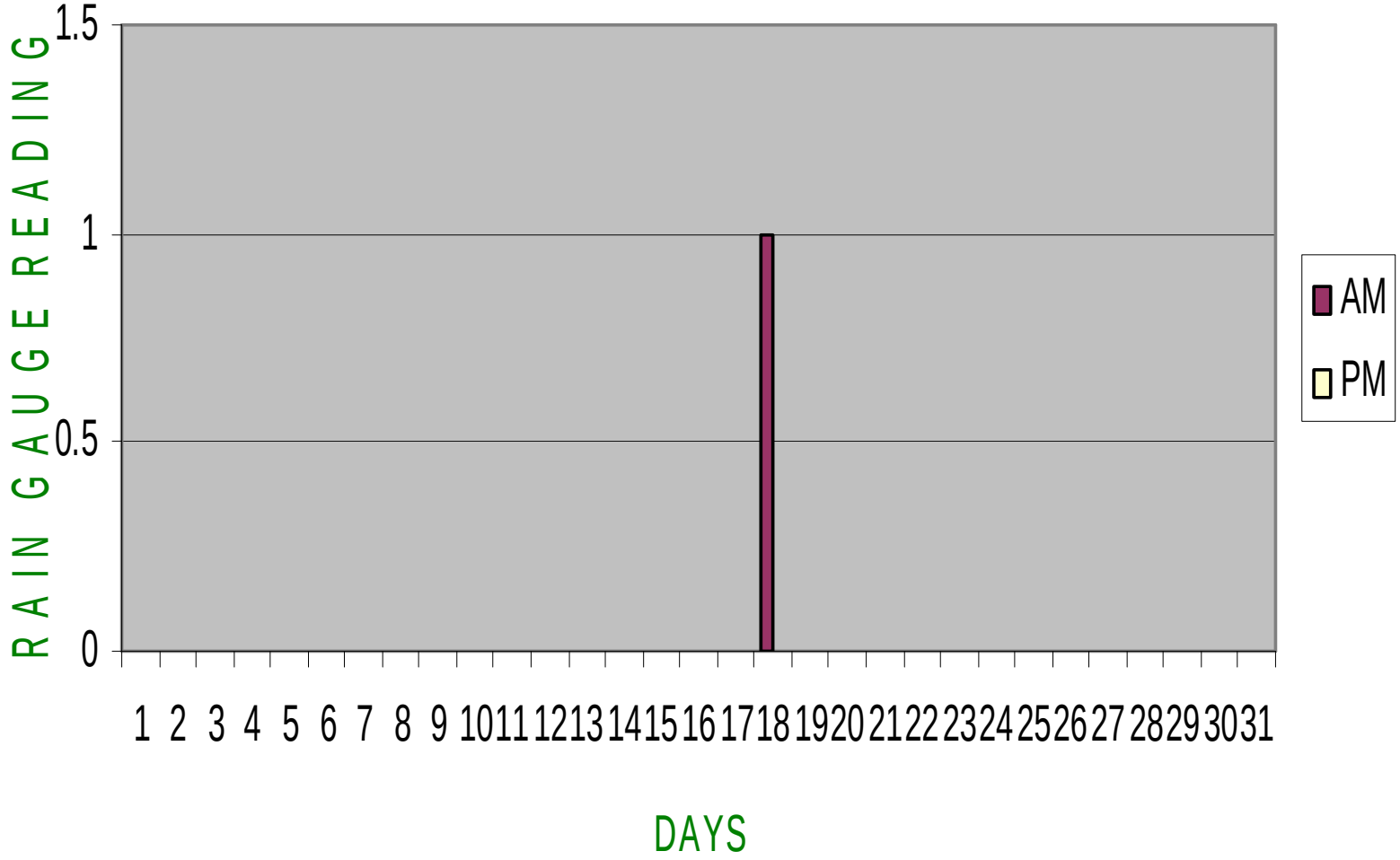
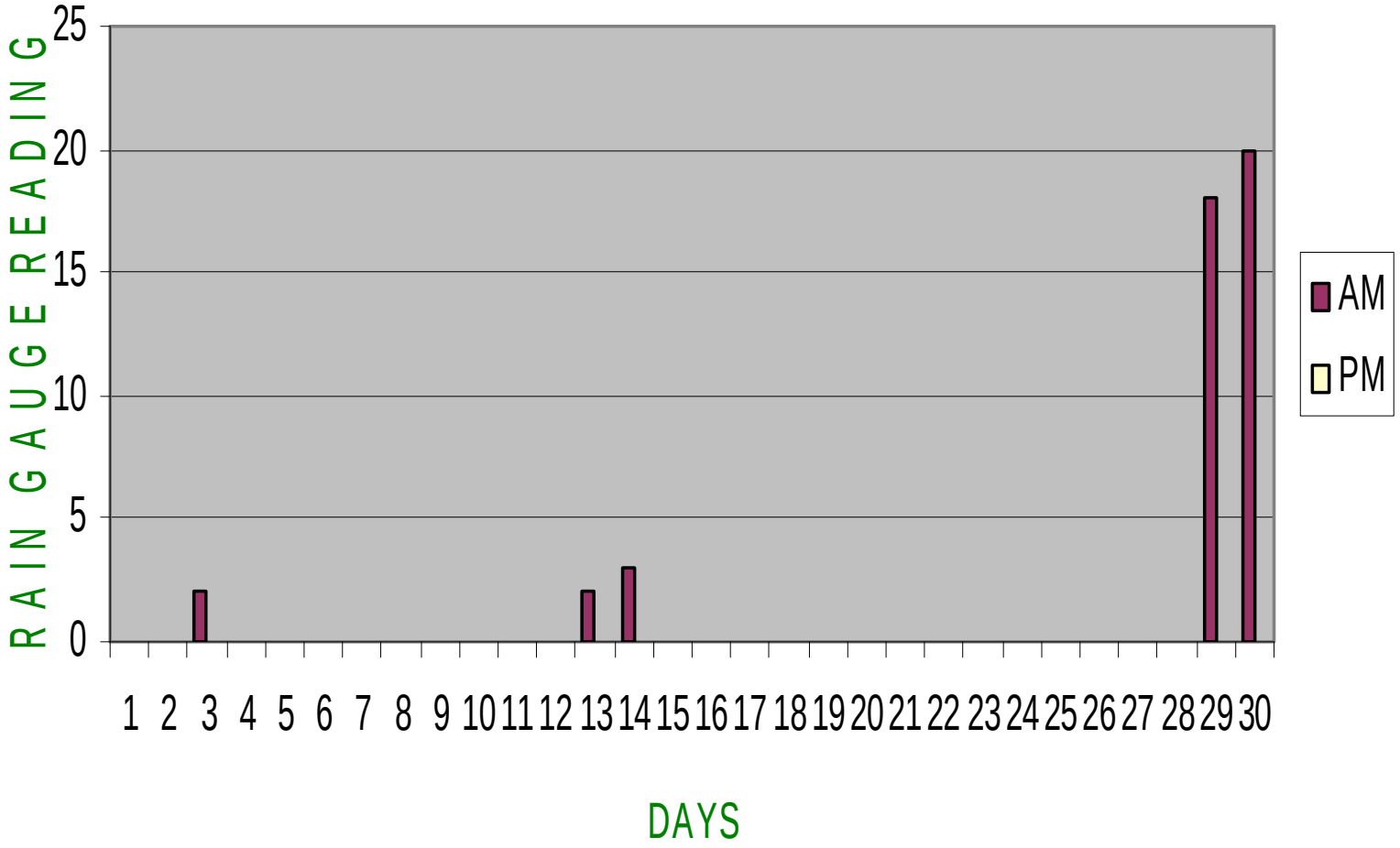
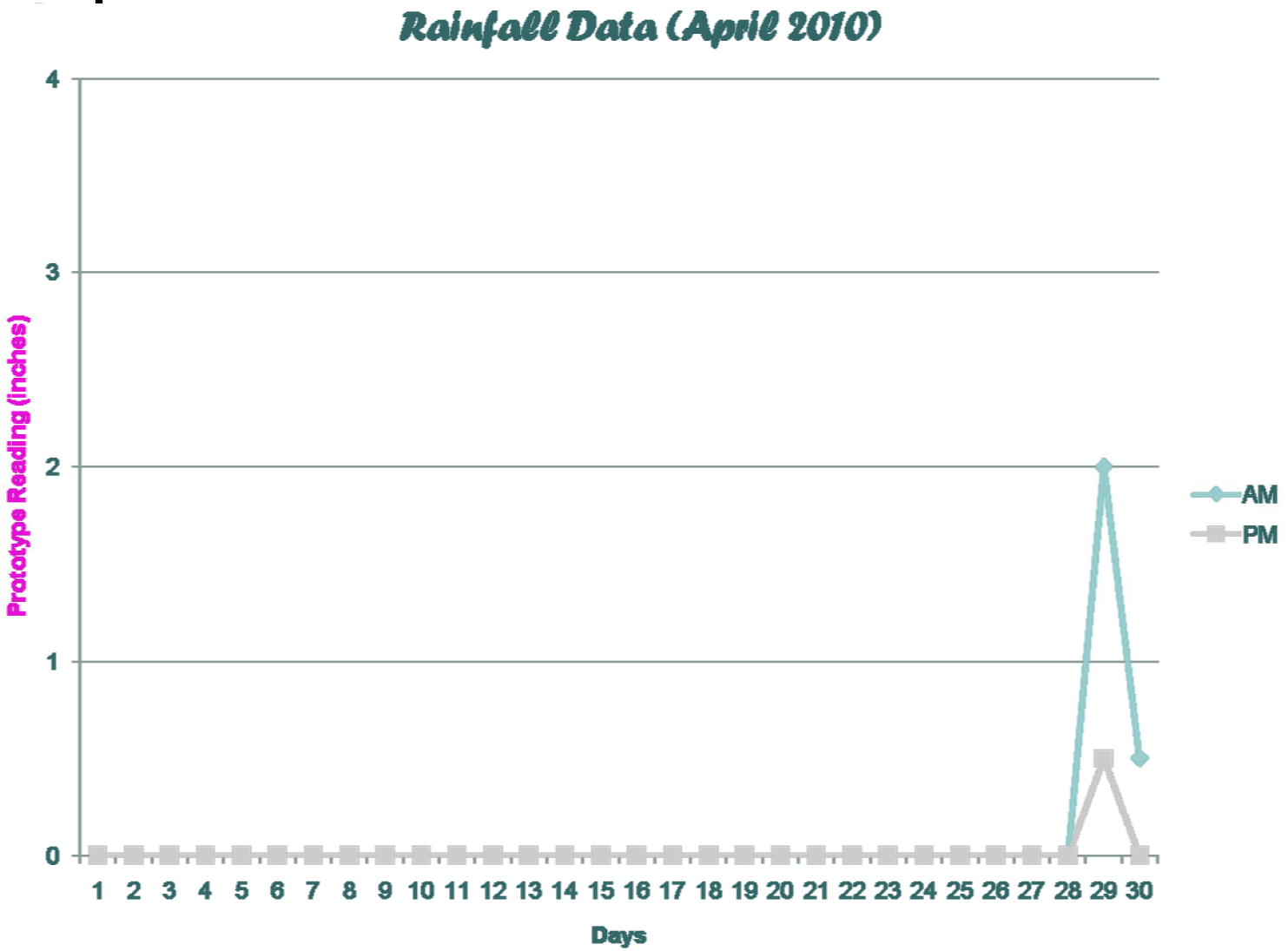
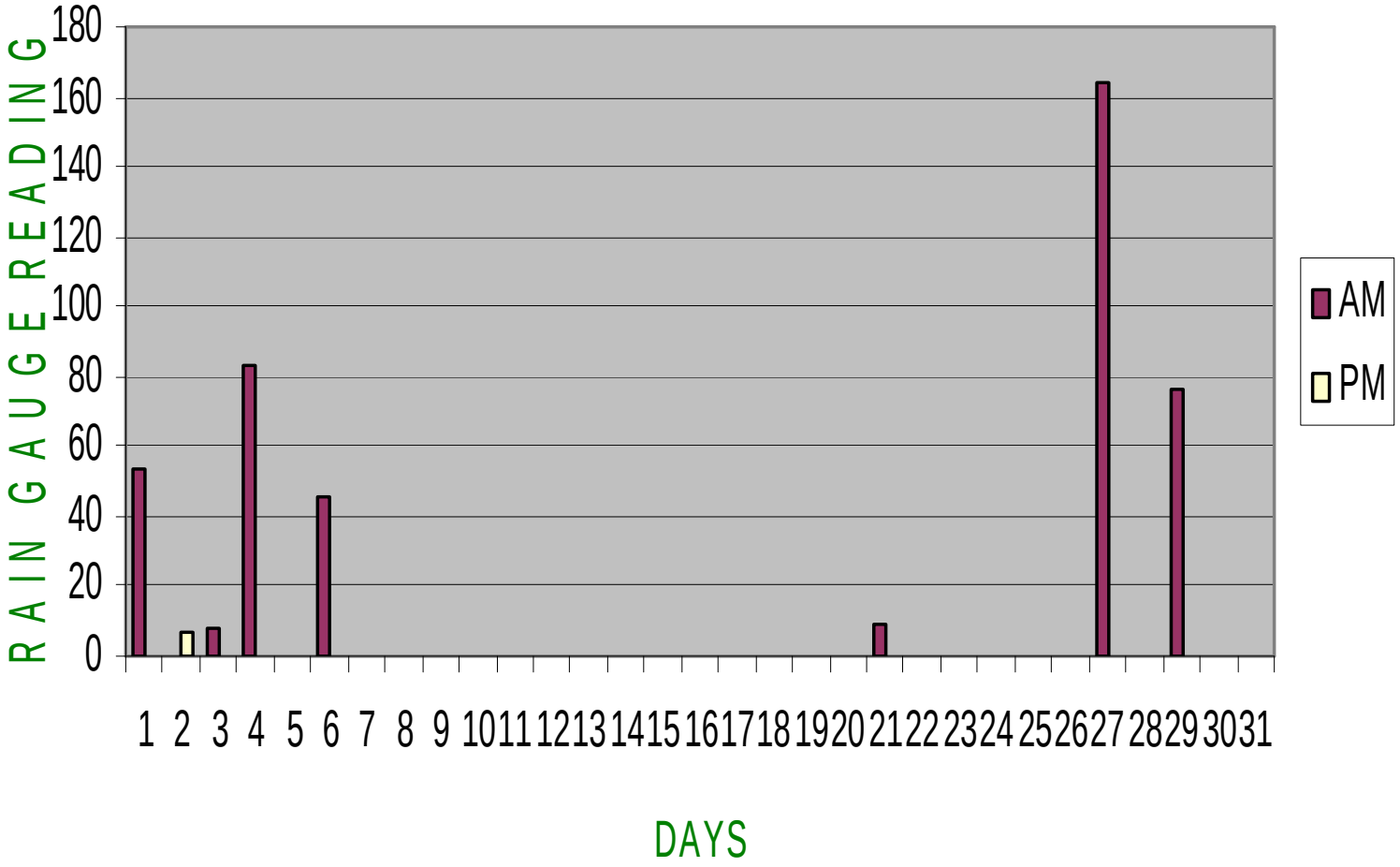


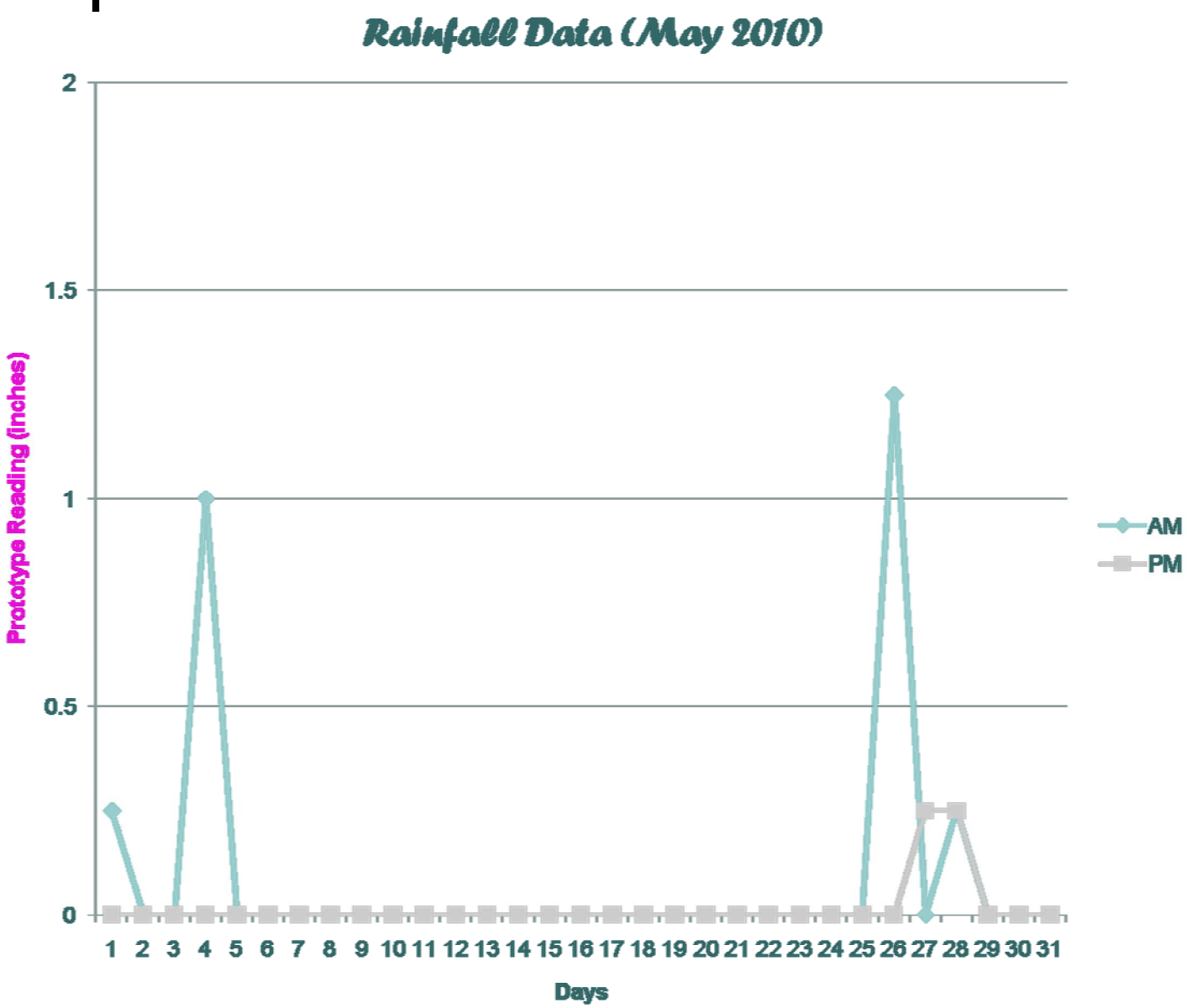
RAINFALL DATA (April 2010)



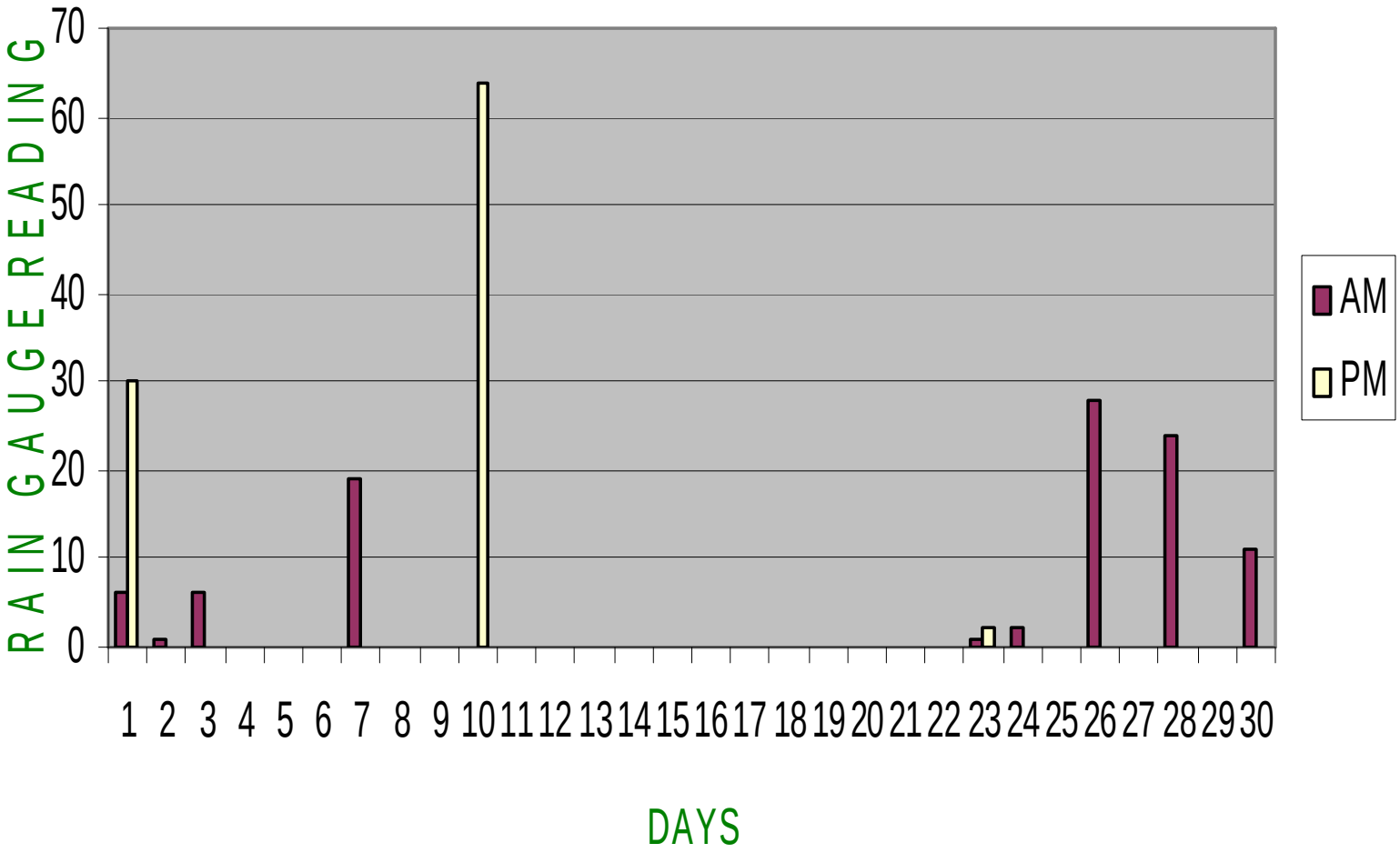

Rainfall Data (April 2010)
Prototype Reading (inches)
4
3
2
1
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
Days
AM
PM

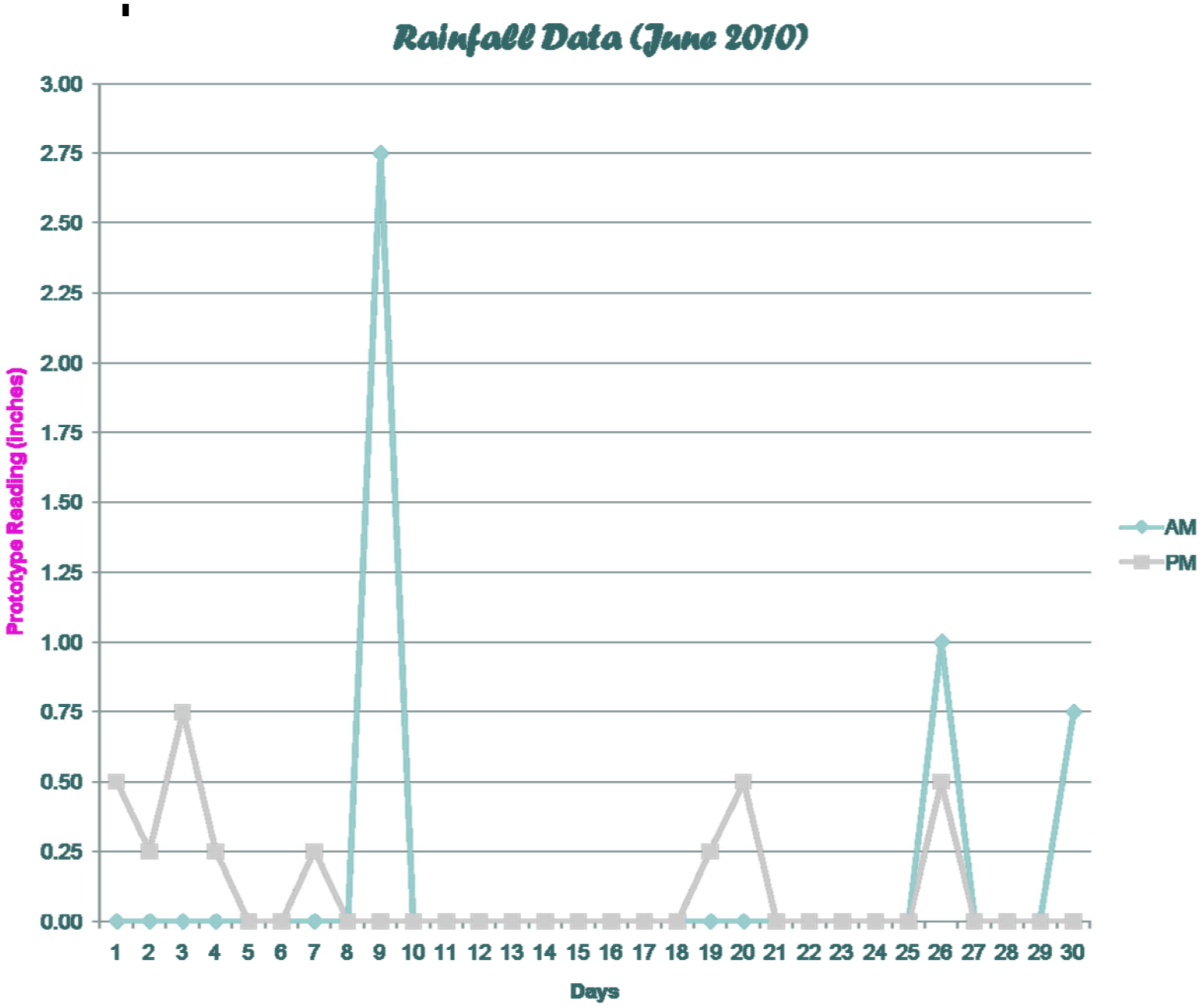
RAINFALL DATA (May 2010)



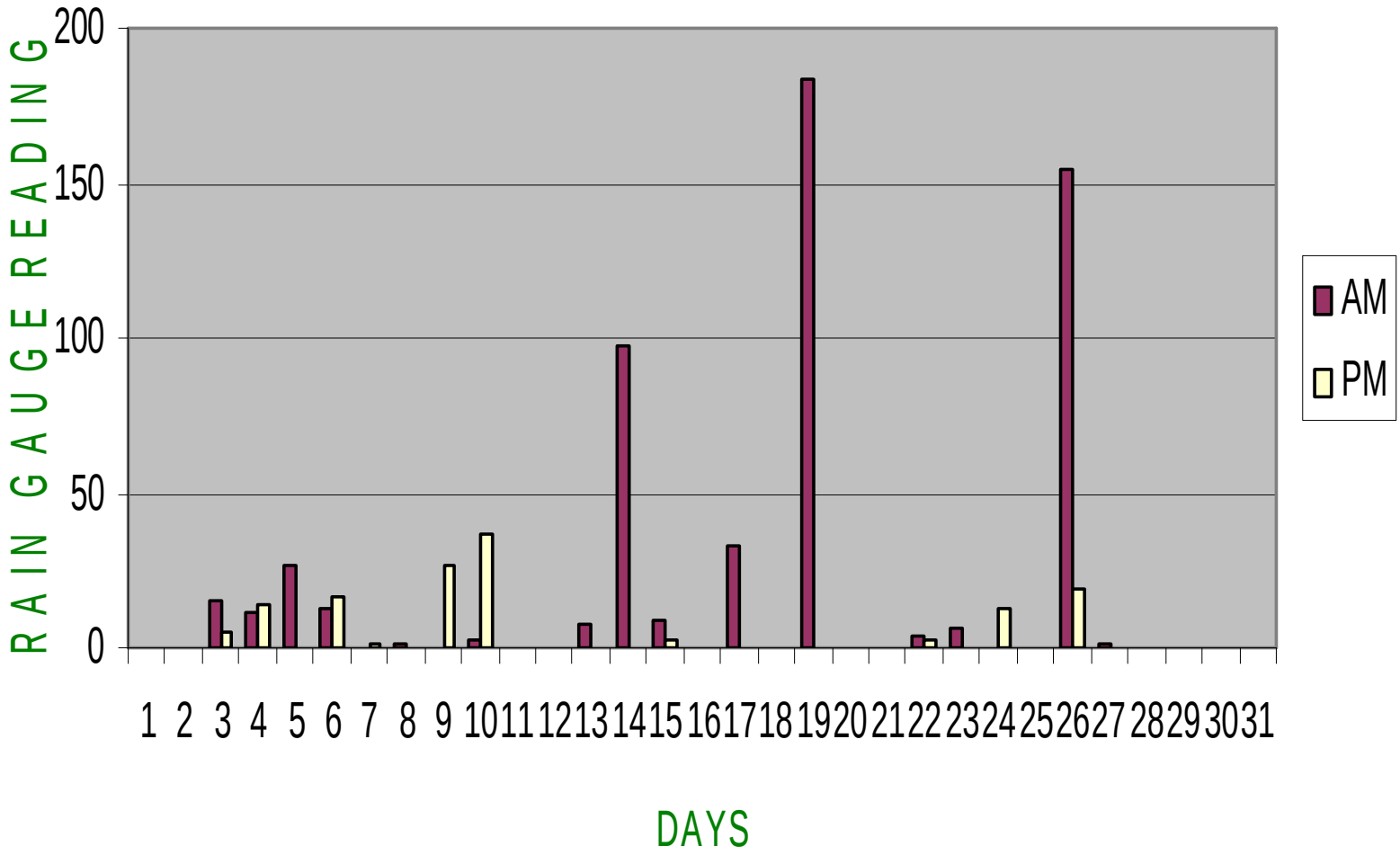

Rainfall Data (May 2010)
Prototype Reading (inches)
2
1.5
1
0.5
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Days
AM
PM

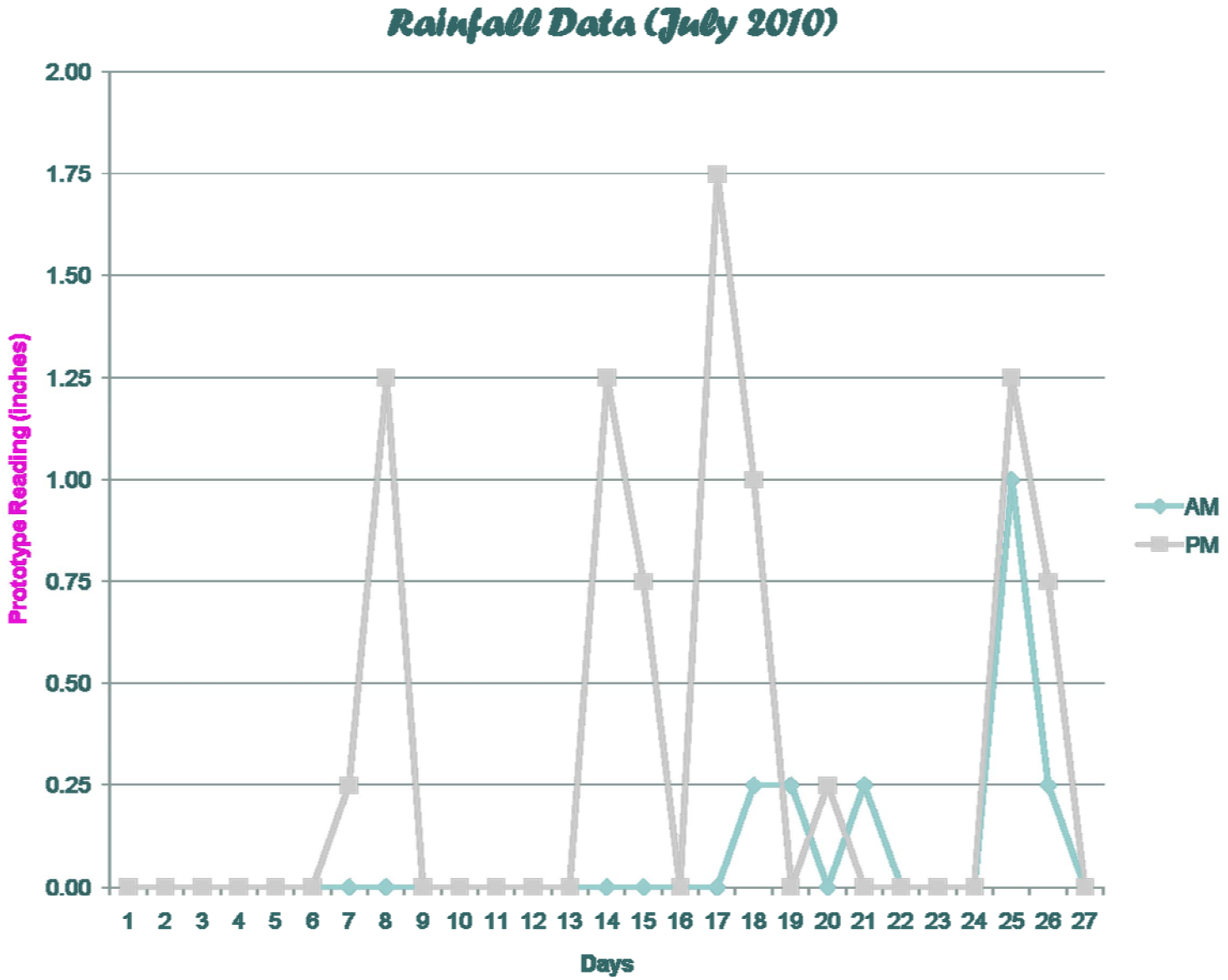
RAINFALL DATA (June 2010)



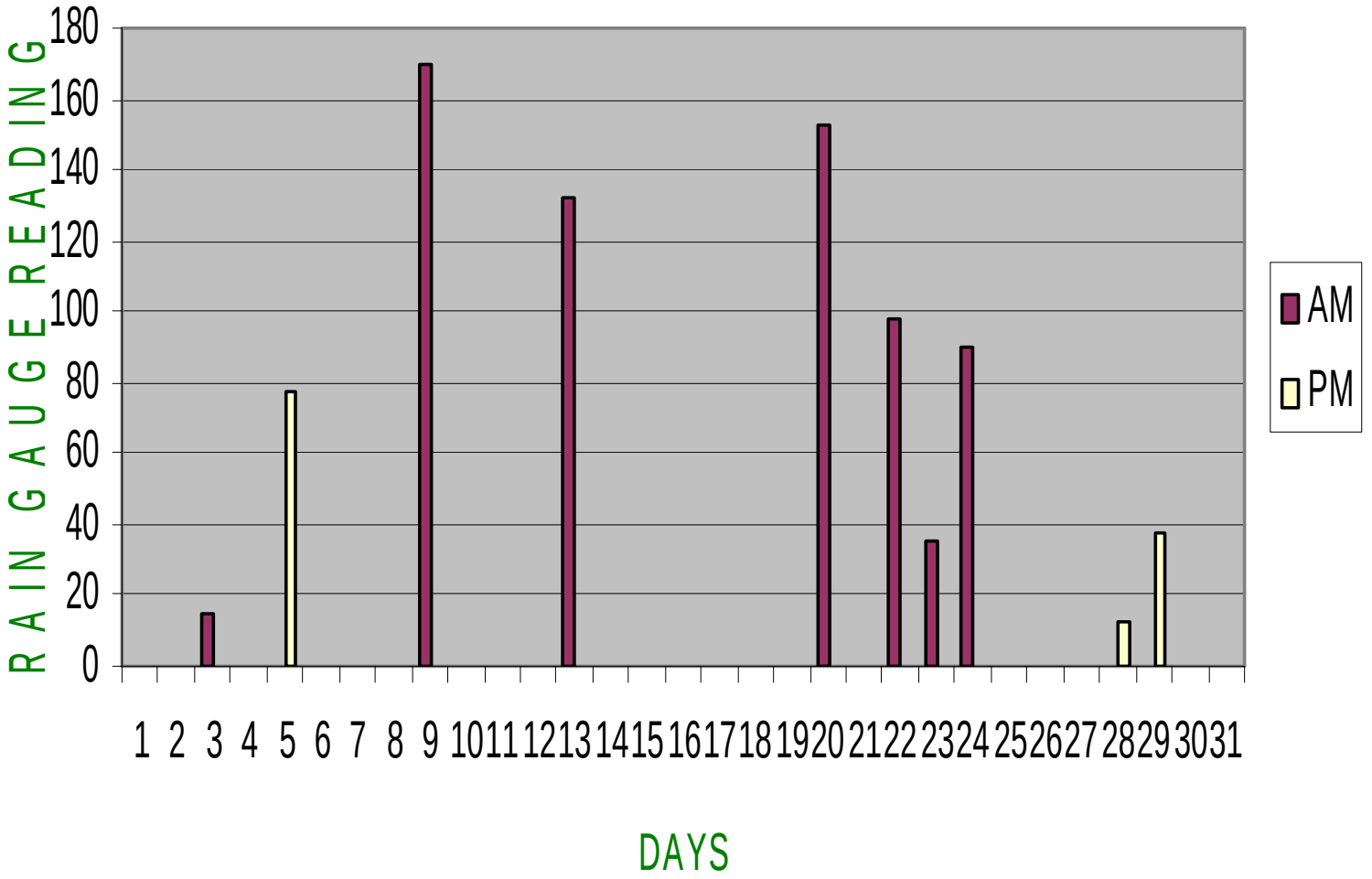

Rainfall Data (June 2010)
Prototype Reading (inches)
3.00
2.75
2.50
2.25
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
Days
AM
PM

RAINFALL DATA (July 2010)

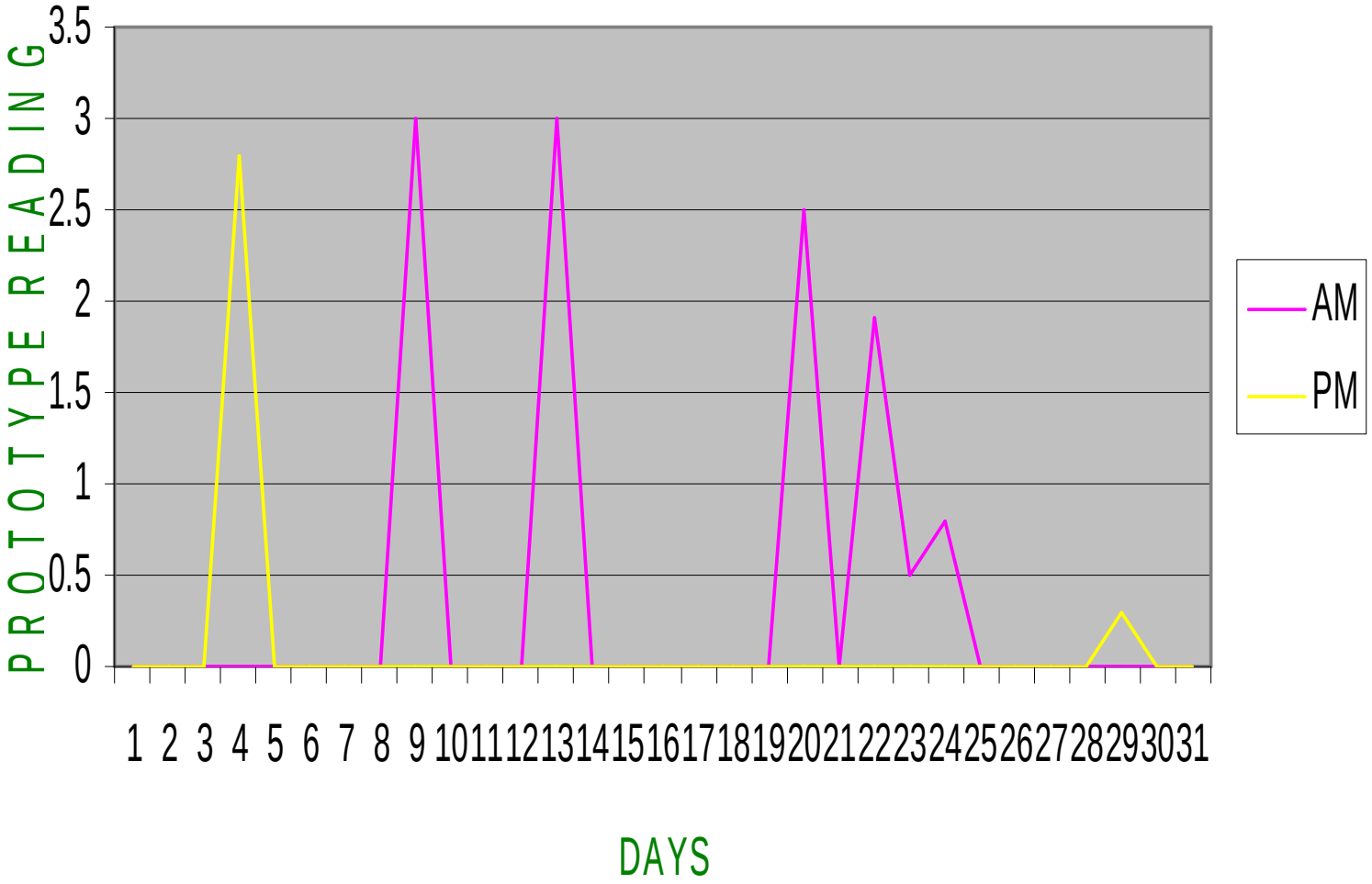



Rainfall Data (July 2010)
Prototype Reading (inches)
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27
Days
AM
PM

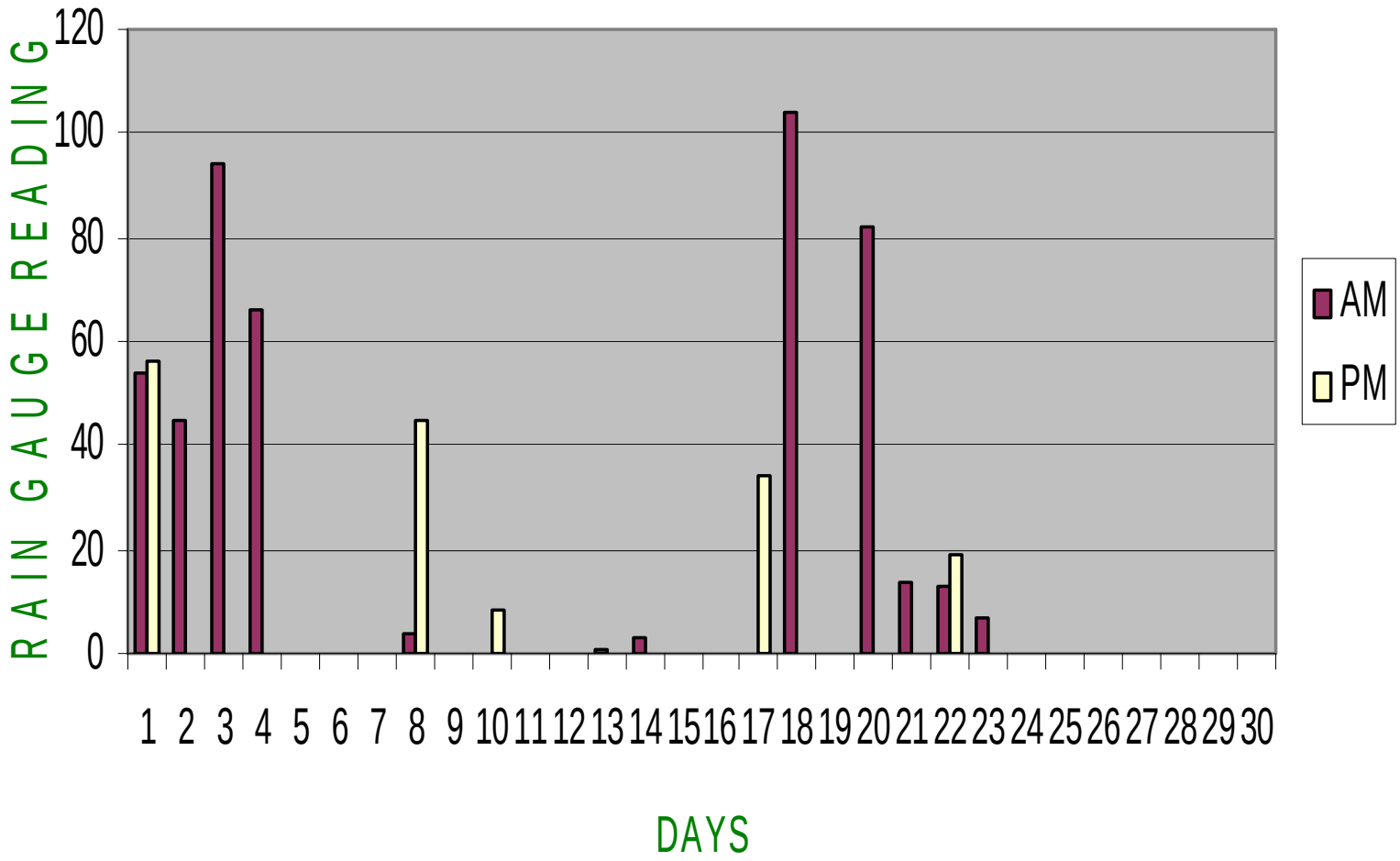
RAINFALL DATA (Aug.2010)



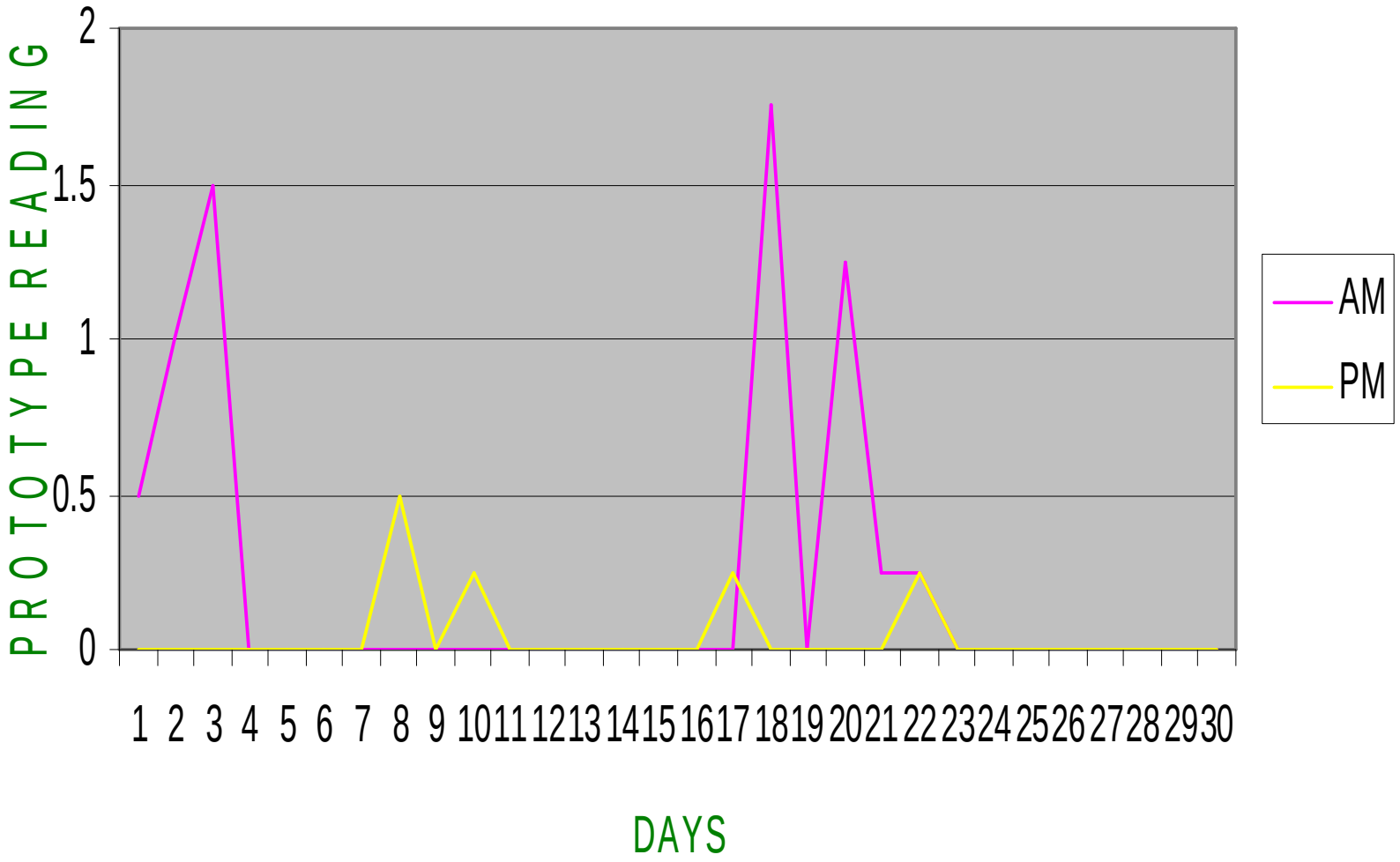
RAINFALL DATA (Aug. 2010)



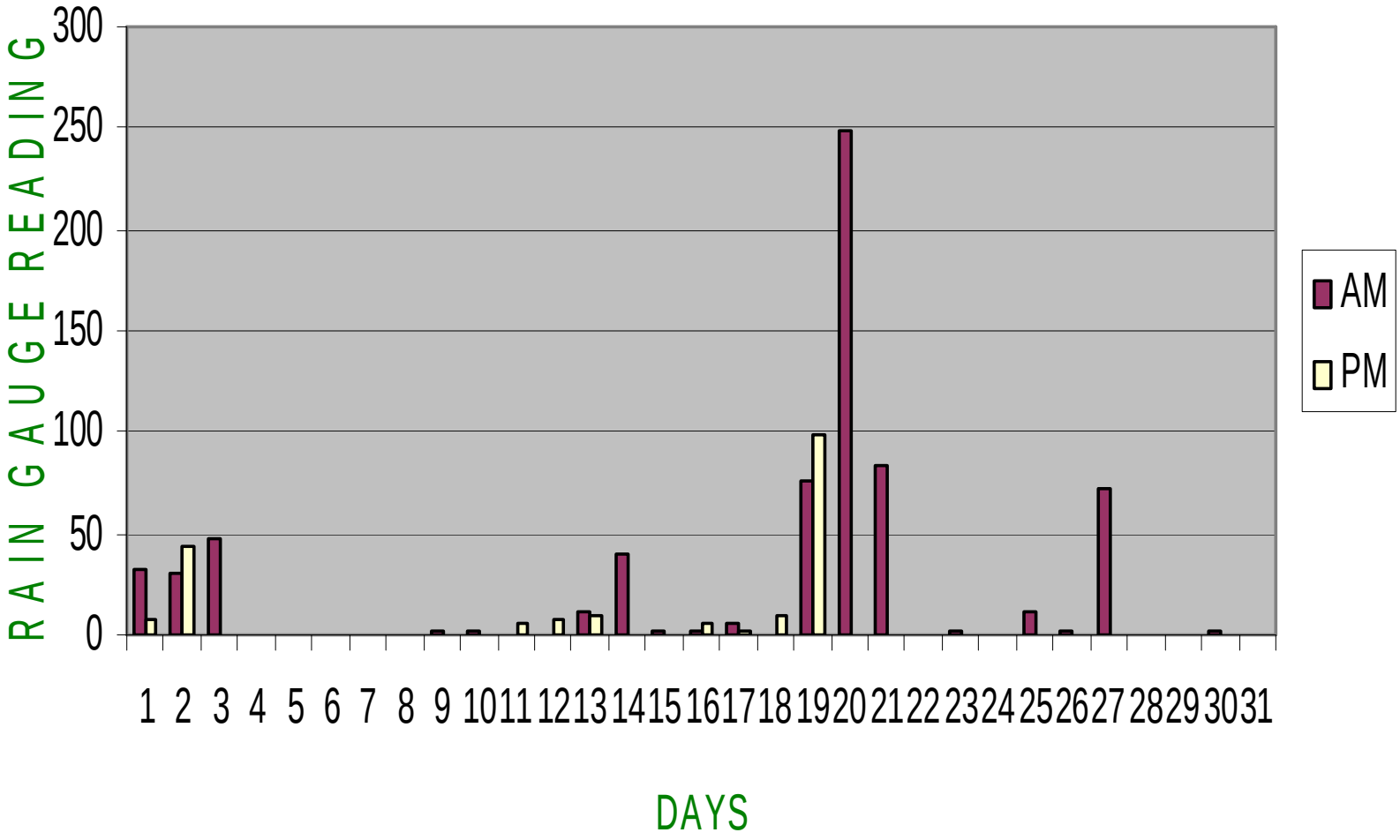
RAINFALL DATA (Sept. 2010)

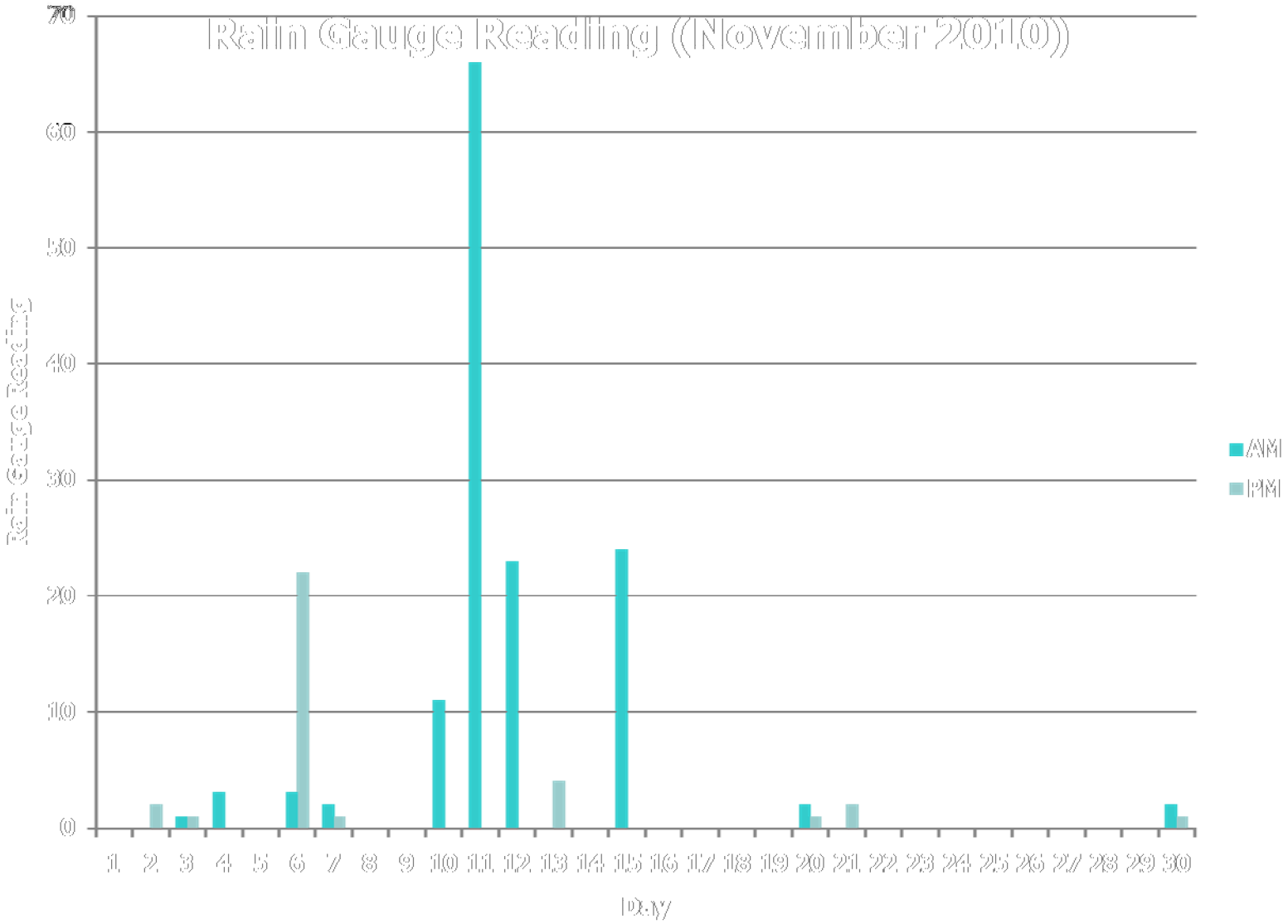


RAINFALL DATA (Sept. 2010)



RAINFALL DATA (Oct. 2010)




Rain Gauge Reading ((November 2010))
Rain Gauge Reading
70
60
50
40
30
20
10
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
Day
AM
PM

PROTOTYPE RAIN GAUGE

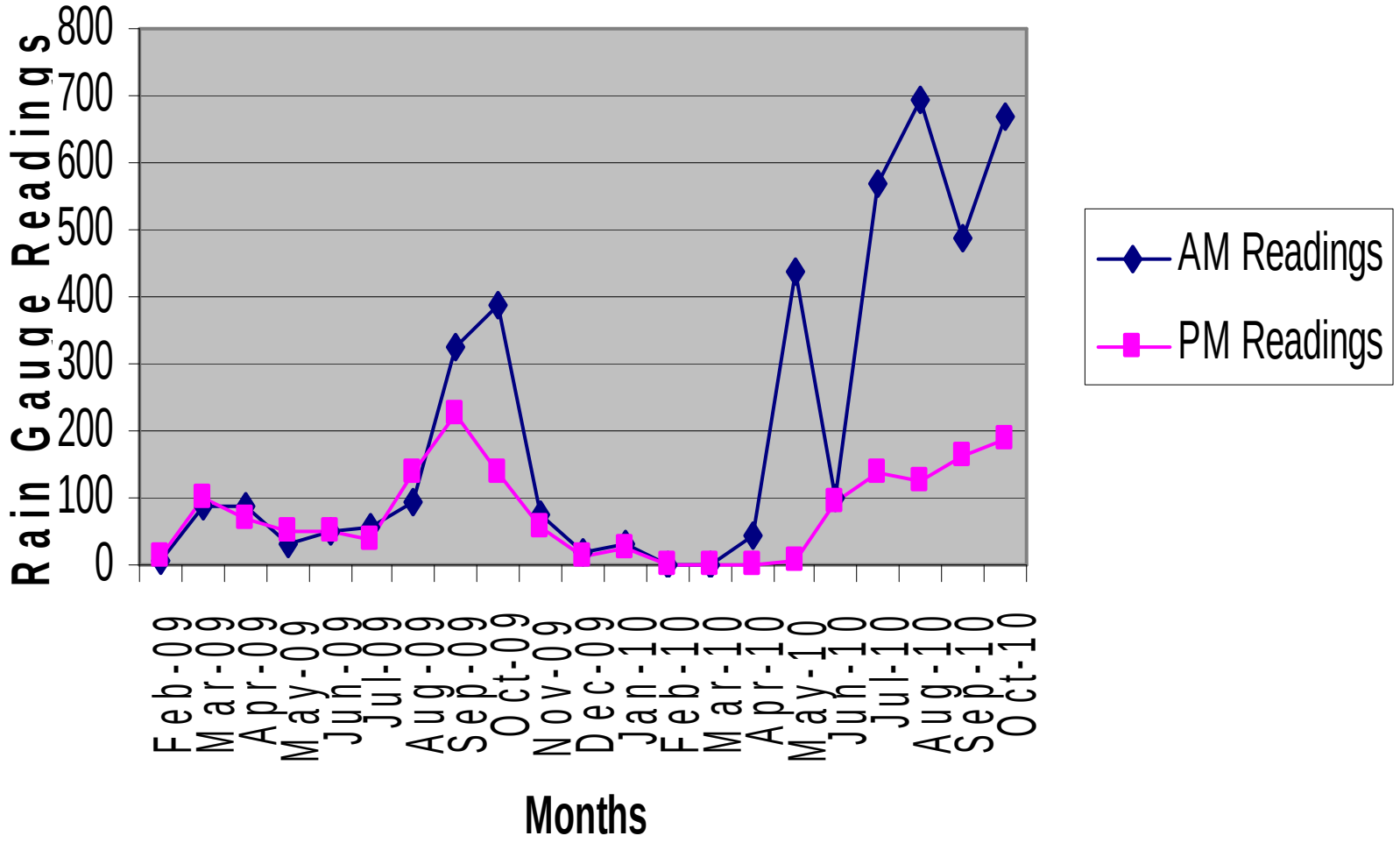
Salacot River

2.5 Mtrs.
PDCC / MDCC
2 Mtrs.
1 Mt.

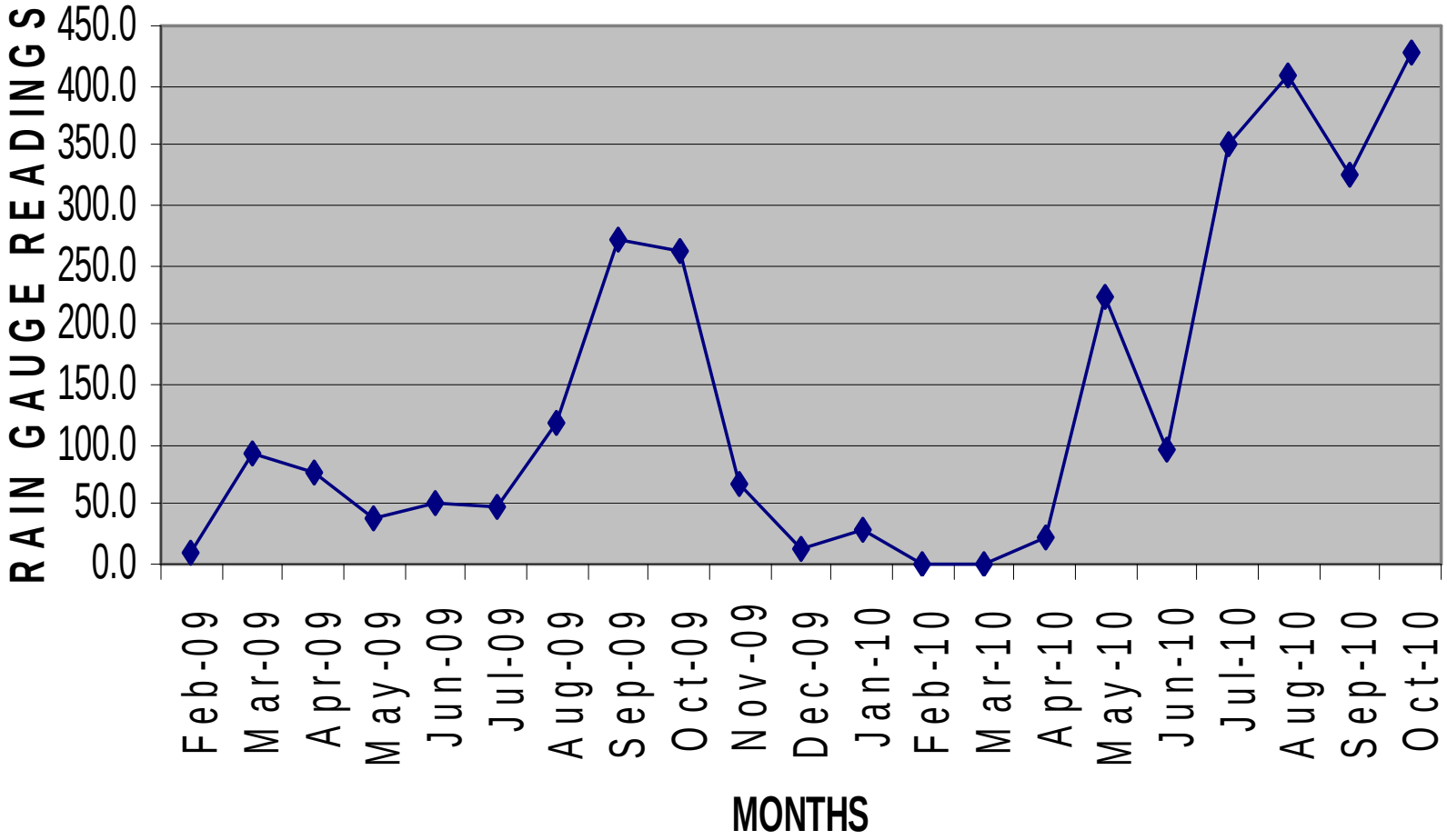
2 Mtrs.
1 Mtr.

2.5 Mtrs.
PDCC / MDCC
2 Mtrs.
1 Mtr.

COMPARISON OF RAIN GAUGE READINGS (AM and PM)



AVERAGE MONTHLY RAINFALL



Importance of SHINe Program

- Students' awareness on climate change can be enhanced through this program.
- Students' sense of responsibility and cooperation can also be developed as they perform their duties as SHINe members.
- Data gathered can be used for pre-disaster warning system.
- Cropping patterns of farmers can also be adjusted for a better yield through this SHINe program.

Problems Encountered

- during strong typhoons/heavy rains, long weekends (wherein some students are spending their days in some other far places), holidays (like Christmas, All Saints' Day, etc.) some students cannot perform their duties or are not allowed by their parents to go out to monitor the rain gauge.
- there are times wherein students assigned to monitor the rain gauge for a particular week are so busy preparing for the exams, doing projects, homeworks, etc.

Suggestions:

- SHINe program and SHINe club should be given due recognition in the school-level.

- There should be provision of a headquarter for the SHINe Club where the student-officers and all its members could meet on a regular basis to discuss important matters/issues regarding the weather as well as their duties and responsibilities in the program.

- Data encoding will be very easy if the proposed SHINe hedquarters will also be provided with a computer unit with internet connection.

Thank you!